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NOTICE.

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CONTENTS.

UNITED STATES.

	Page.
Mortality record of Unalaska and adjacent country for 1900	2259
Arrival at Reedy Island Quarantine of vessels from the Danish West Indies.....	2260
Arrival at Baltimore of vessels from West Indian and South American ports.....	2260
Reports from the Mexican border—	
Eagle Pass, Tex.; inspection service.....	2260
Laredo, Tex.; inspection service; typhus fever in the City of Mexico.....	2261
Statistical reports of States and cities of the United States; yearly and monthly...	2261
Reports of inspection of immigrants.....	2262
Table—	
Quarantine reports.....	2264
Smallpox in the United States.....	2270
Plague in the United States.....	2277
Weekly mortality of cities of the United States.....	2278
Temperature and rainfall.....	2280
Mortality statistics of 1,190 cities and towns of the United States for the year ended December 31, 1900.....	2280

FOREIGN AND INSULAR.

Brazil—	
Reports from Rio de Janeiro; Dr. E. W. Ames appointed acting assistant surgeon, U. S. Marine-Hospital Service.....	2303
Plague in Rio de Janeiro.....	2304
British Honduras; report from Belize; fruit port.....	2304
Canada; inspection of immigrants at Quebec.....	2304
China, plague in Canton and vicinity diminishing.....	2305
Colombia; report from Bocas del Toro; fruit port.....	2305
Cuba—	
Reports from Cienfuegos, Casilda, and Santa Cruz del Sur.....	2306
Reports from Havana; yellow fever at Havana and Santiago.....	2307
Reports from Matanzas, Cardenas, Isabela de Sagua, and Caibarien	2309
Reports from Nuevitas, Puerto Padre, Gibara, and Baracoa.....	2310
A case of yellow fever at Trinidad.....	2311
Germany; reports from Berlin; malaria in east Prussia	2311
Guatemala; reports from Livingston; fruit port	2312
Hawaiian Islands; report of the Hawaiian territorial board of health on plague in Honolulu in June and July, 1901.....	2312
Honduras—	
Report from La Ceiba; fruit port.....	2332
Report from Puerto Cortez; fruit port.....	2332
Italy—	
Report from Naples.....	2333
Further concerning plague in Naples.....	2333
Mexico; report from Progreso concerning the Ethelbryhta	2333
Nicaragua; report from Bluefields; fruit port.....	2334
Nova Scotia—	
Smallpox at Halifax on the schooners Thalia and Goodwin.....	2334
Another case of smallpox on the schooner Goodwin; one case, also, on the schooner Essex.....	2335
Philippine Islands; report from Manila; plague diminishing.....	2335
Porto Rico; reports from Ponce.....	2338
Turkey; plague in Smyrna.....	2339
Foreign and insular statistical reports of countries and cities; yearly and monthly..	2339
Table—	
Cholera, yellow fever, plague, and smallpox.....	2342
Mortality, foreign and insular cities.....	2346

PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General United States Marine-Hospital Service.]

Mortality record of Unalaska and adjacent country for 1900.

DUTCH HARBOR, ALASKA, September 19, 1901.

SIR: I have the honor to make the following report regarding the mortality of Unalaska for 1900, which is of interest in connection with the fact of the rapid decline of the native population of the Aleutian chain of islands:

Formerly there were 120 villages on the islands with a native population variously estimated at from 1,500 to 2,500.

Now in the same district there are but 10 villages and 1,000 inhabitants, exclusive of whites, of whom 300 are creoles (mixed breeds with Russian and other nationalities) and 700 Aleutes.

Last year Unalaska had 353 inhabitants, 116, or nearly one-third, of whom died. According to data obtained from the Russian priest of the Greek Catholic Church, Rev. B. P. Kashereroff, who has the only mortality records kept in the village, there being no health officer or even physician, 30 deaths were ascribed to "cold," 24 to consumption, 33 to measles, and 7 to old age; 5 were drowned.

The mortality report, arranged according to age, is as follows: Up to 1 year of age, 20 deaths; from 1 to 7 years of age, 24 deaths; from 7 to 10 years of age, 2 deaths; from 10 to 40 years of age, 42 deaths; from 40 to 50 years of age, 20 deaths; from 50 to 60 years of age, 8 deaths. Total, 116.

The remarkable mortality from measles among the natives in Alaska during the past year appears ascribable largely to the bad sanitary environment—some living in baraberas, small mud houses—and lack of precaution against exposure.

On the Kuskokwim and in other sections on the mainland, from one-half to two-thirds of the natives died and many were left unburied in the mud houses where they lived, surviving members immediately deserting the huts, which latter often contain from 1 to 2 dozen natives living regardless of family relations.

As many as half a dozen dead bodies have been seen by prospectors in a single hovel and numerous dead bodies were seen lying about on the ground partly eaten by the foxes.

There are numerous instances of whole villages being deserted, the few surviving natives having a superstition about staying where so many of their number had died.

Whether the measles *per se* was of an especially virulent type, I am

unable to state, as there have been no cases of the disease during the present season in this locality.

From what I have been able to learn, however, the striking mortality record above detailed was due largely to pneumonic complications and want of medical treatment.

Respectfully,

F. J. THORNBURY,
Assistant Surgeon, U. S. M. H. S.

Arrival at Reedy Island Quarantine of vessels from the Danish West Indies.

REEDY ISLAND QUARANTINE,
via Port Penn, Del., September 22, 1901.

SIR: Through the medical officer in command of national quarantine service on Delaware Bay and River, I have the honor to report the arrival at this station on the 17th instant of the British steamship *Drummond*, from St. Thomas via Santiago, with ore; no passengers; bill of health signed by Assistant Surgeon Von Ezdorf.

Respectfully,

T. F. RICHARDSON,
Assistant Surgeon, U. S. M. H. S., In Command.

Arrival at Baltimore of vessels from West Indian and South American ports.

BALTIMORE, MD., September 28, 1901.

SIR: I have to report the arrival at this port of the following-named vessels for the week ended to-day: September 24, British steamship *Aldborough*, from Daiquiri, with ore; American bark *Dom Pedro II*, from Rio de Janeiro, with coffee.

Respectfully,

WM. F. STONE,
Collector.

REPORTS FROM THE MEXICAN BORDER.

Eagle Pass, Tex.—Inspection service.—I have the honor to make the following report for the week ended September 21, 1901:

Date.	Number of persons.	Sanitary condition.	Condition of—		Where from.	Destination.
			Baggage.	Merchandise.		
Sept. 15 (a)	136	Good	Good	Good	Various points in Mexico.	Various points in United States.
Sept. 16 (b)	141	.....do.....	.....do.....	.....do.....	.....do.....	Do.
Sept. 17 (c)	139	.....do.....	.....do.....	.....do.....	.....do.....	Do.
Sept. 18 (d)	150	.....do.....	.....do.....	.....do.....	.....do.....	Do.
Sept. 19 (e)	142	.....do.....	.....do.....	.....do.....	.....do.....	Do.
Sept. 20 (f)	138	.....do.....	.....do.....	.....do.....	.....do.....	Do.
Sept. 21 (g)	140	.....do.....	.....do.....	.....do.....	.....do.....	Do.

a Fumigated 200 pieces of soiled Pullman linen.

b Fumigated 198 pieces of Pullman soiled linen.

c Fumigated 195 pieces of Pullman soiled linen.

d Fumigated 215 pieces of Pullman soiled linen.

e Fumigated 202 pieces of Pullman soiled linen.

f Fumigated 195 pieces of Pullman soiled linen.

g Fumigated 210 pieces of Pullman soiled linen.

LEA HUME,
Sanitary Inspector, U. S. M. H. S.

El Paso, Tex., September 21, 1901—Inspection service.—I have the honor to transmit herewith summary of transactions at this station for the week ended September 21, 1901: Inspection of Mexican Central Railroad passengers, 249; inspection (special) of passengers from City of Mexico, 44; inspection of Rio Grande and Pacific Railroad passengers, 22; inspection of excursionists, 174; inspection of immigrants, 180; disin-

fection of blankets, clothing, etc., 100 pieces; disinfection of soiled linen imported for laundry, 417 pieces; disinfection of Pullman soiled linen, 3,760 pieces; disinfection of carload of cattle hides. Three passengers from Tampico were let pass, having certificates from the acting assistant surgeon, the city being free from contagious disease.

E. ALEXANDER,

Acting Assistant Surgeon, U. S. M. H. S.

Laredo, Tex., September 22, 1901—Inspection service—Typhus fever in the City of Mexico.

LAREDO, TEX., September 22, 1901.

SIR: I have the honor to inform you that in comparing weekly mortality statistics of this year, 1901, with that of 1900, I find that the mortality in the City of Mexico from typhus fever is a little more than double this year that of the year preceding. I refer to reports for the month of August, viz, week ended August 19, 1900, deaths were 8, and for week ended August 18, 1901, deaths were 24. In the early summer months of this year the death rate from same disease averaged between 45 and 50; occasionally above that number. I have information from reliable persons that the disease seldom attacks the better class of Mexicans or Americans. The order I received by telegram from Bureau requests me to disinfect and personally inspect all second-class baggage and examine particularly train crew on through Pullman. A disinfecter and guard was authorized. I have found that it is very rare that other than first-class passengers have any baggage except what they have on their person—that is, the through passengers; also that there are seldom any through passengers except of the first class. All our immigrants come from this side of San Luis Potosi, Mexico, which is 360 miles north of the City of Mexico. I, therefore, have not nominated any person for a vacancy which occurred to-day of disinfecter and guard, but such a person is of service, viz, to meet passenger trains on Mexican side of frontier and gain information about passengers before they appear on the frontier for regular inspection; to escort foreigners or Americans who prefer to stay in Mexico to the Mexican side of the frontier and see at what place they will stop during their period of detention; to disinfect all baggage necessary, see that baggage is taken from depot to detention camp for disinfection, and unpack and repack baggage disinfected. I personally am present during disinfection—that is, while using the generator or autoclave. * * *

Laredo, Tex., September 24, 1901—Inspection service.—I have the honor to submit the following report for week ended September 21, 1901: Passenger trains from Mexico inspected, 14; persons inspected on trains from Mexico, 711; immigrants inspected, 33; immigrants vaccinated, 6. Two persons two days out from Tampico detained. One person three days out from Vera Cruz, originally from Yucatan, detained; 2 trunks and 1 valise opened and disinfected with formaldehyd gas; 5,191 pieces soiled linen of Pullman Company disinfected.

H. J. HAMILTON,

Acting Assistant Surgeon, U. S. M. H. S.

Statistical reports of States and cities of the United States—Yearly and monthly.

MICHIGAN.—Reports to the State board of health, Lansing, for the week ended September 21, 1901, from 78 observers indicate that intermittent fever, influenza, smallpox, and whooping cough were more

prevalent and dysentery and scarlet fever were less prevalent than in the preceding week. Cerebro-spinal meningitis was reported at 3, measles at 11, whooping cough at 14, smallpox at 24, diphtheria at 34, scarlet fever at 68, enteric fever at 113, and phthisis pulmonalis at 169 places.

NEW HAMPSHIRE—Franklin.—Month of August, 1901. Estimated population, 5,843. Total number of deaths, 11, including whooping cough, 1, and 2 from tuberculosis.

NEW JERSEY—Passaic.—Two weeks ended September 21, 1901. Census population, 27,777. Total number of deaths, 72, including diphtheria, 1, and 1 from enteric fever.

NEW YORK—Rochester.—Month of July, 1901. Census population, 162,608. Total number of deaths, 171, including diphtheria, 1; enteric fever, 3; whooping cough, 2, and 14 from tuberculosis.

Yonkers.—Month of August, 1901. Estimated population, 50,000. Total number of deaths, 44, including smallpox, 1, and 5 from phthisis pulmonalis.

TENNESSEE—Nashville.—Month of August, 1901. Census population, 80,865—white, estimated, 50,627—colored, estimated, 30,238. Total number of deaths, 115, including diphtheria, 1; enteric fever, 10; scarlet fever, 2, and 15 from tuberculosis.

WISCONSIN—Milwaukee.—Month of August, 1901. Census population, 285,315. Total number of deaths, 385, including diphtheria, 4; enteric fever, 6, and 41 from tuberculosis.

Report of immigration at Boston during week ended September 21, 1901.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Boston, September 22, 1901.

Number of alien immigrants who arrived at this port during the week ended September 21, 1901; also names of vessels and ports from which they came.

Date.	Vessel.	Where from.	No. of immigrants.
Sept. 15	Steamship Boston.....	Yarmouth, Nova Scotia.....	248
Sept. 16	Steamship Admiral Farragut.....	Port Morant, Jamaica.....	13
Do....	Steamship Norwegian.....	Glasgow, Scotland.....	58
Do....	Steamship Olivette.....	Halifax, Nova Scotia.....	211
Do....	Steamship Cambrian.....	London, England.....	4
Do....	Steamship Prince George.....	Yarmouth, Nova Scotia.....	36
Do....	Steamship Alf.....	Louisburg, Cape Breton.....	1
Sept. 17	Steamship Prince Arthur.....	Yarmouth, Nova Scotia.....	83
Do....	Steamship Cestrian.....	Liverpool, England.....	12
Sept. 18	Steamship Boston.....	Yarmouth, Nova Scotia.....	77
Do....	Steamship Admiral Schley.....	Port Morant, Jamaica.....	2
Do....	Steamship Caledonian.....	London, England.....	6
Sept. 19	Steamship Saxonia.....	Liverpool, England.....	1,270
Do....	Steamship Prince Arthur.....	Yarmouth, Nova Scotia.....	100
Sept. 20	Steamship Boston.....	do.....	119
Do....	Steamship Yarmouth.....	Halifax, Nova Scotia.....	126
Do....	Steamship Commonwealth.....	Liverpool, England.....	880
Sept. 21	Steamship Prince Arthur.....	Yarmouth, Nova Scotia.....	120
Total.....			3,356

GEORGE B. BILLINGS,
Commissioner.

*Report of immigration at New York during the week ended September 21, 1901.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of New York, September 25, 1901.**Number of alien immigrants who arrived at this port during the week ended September 21, 1901;
also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of immigrants.
Sept. 15	Steamship Potsdam.....	Rotterdam.....	739
Sept. 16	Steamship La Bretagne.....	Havre.....	570
Do....	Steamship Burgundia.....	Naples.....	515
Do....	Steamship Zeeland.....	Antwerp.....	862
Do....	Steamship Haverford.....	Southampton.....	37
Sept. 17	Steamship Kaiser Wilhelm der Grosse.....	Bremen.....	473
Sept. 18	Steamship Anchoria.....	Glasgow.....	196
Do....	Steamship Friedrich der Grosse.....	Bremen.....	581
Do....	Steamship Liguria.....	Genoa and Naples.....	763
Do....	Steamship Aller.....	do.....	421
Sept. 20	Steamship Fürst Bismarck.....	Hamburg.....	270
Do....	Steamship Belgravia.....	do.....	174
Do....	Steamship Teutonic.....	Liverpool and Queenstown.....	618
Do....	Steamship Scotia.....	Naples.....	170
Do....	Steamship Milano.....	Hamburg.....	189
Do....	Steamship Victoria.....	Naples.....	707
Sept. 21	Steamship Pretoria.....	Hamburg.....	376
Total.....			7,661

THOMAS FITCHIE,
*Commissioner.**Report of immigration at Philadelphia for the week ended September 21, 1901.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of Philadelphia, September 21, 1901.**Number of alien immigrants who arrived at this port during the week ended September 21, 1901;
also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of immigrants.
Sept. 15	Steamship Carthaginian.....	Glasgow.....	3
Do...	Steamship Waesland.....	Liverpool and Queenstown.....	166
Do...	Steamship Canadia.....	Sunderland.....	1
Sept. 20	Steamship North Point.....	London.....	1
Total.....			171

JNO. J. S. RODGERS,
Commissioner.

Reports from national quarantine

Number	Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.
1	UNITED STATES:				
2	Alexandria, Va.....	Sept. 21			
3	Beaufort, N. C.....	Sept. 28			
	Brunswick, Ga.....	Sept. 21	Sp. bk. Angelita (a).....	Sept. 4	Havana
4	Cape Charles, Va.....	do.....			
5	Cape Fear, N. C.....	do.....			
6	Carrabelle, Fla.....	Sept. 22	Brig. Havilah.....	Sept. 12	Havana
7	Columbia River, Oreg.....	Sept. 14	Br. ss. Glamorganshire....	Sept. 9	Hongkong
8	Delaware Breakwater	Sept. 21			
	Quarantine, Lewes, Del.				
9	Dutch Harbor, Alaska.....	Aug. 27			
10	Cumberland Sound, Fern-	Sept. 21	Br. ss. Garlands (a).....	Sept. 11	Rio de Janeiro
	andina, Fla.				via Baltimore.
11	Eureka, Cal.....	do.....	Am. sc. Scotia.....	Sept. 16	Guantanamo.....
12	Grays Harbor, Wash.....	do.....			
13	Gulf Quarantine, Ship	do.....	Nor. ship Alaska (a).....	Aug. 29	Cape Town.....
	Island, Miss.		It. bk. Nino Fravega (a) ..	Sept. 8	do.....
			Am. sc. Flora Morang (a) ..	Sept. 13	Progreso ..
			Swd. bk. Antoinette.....	Sept. 15	Cape Town.....
			Br. sc. Florence R. Hew-	Sept. 16	Sagua la Grande..
			son.		
14	Key West, Fla.....	do.....	Am. sc. B. Frank Neally...	Sept. 21	Havana
			Barge Admiral Trompe...	do.....	Cardenas.....
15	Los Angeles, Cal.....	do.....			
16	Mayport, Fla.....	do.....	Rus. bktn. Mikelson.....	Sept. 16	Martique.....
17	Miami, Fla.....	do.....			
18	Mullet Key, Fla.....	do.....	Prov. flag tug Humberto	Sept. 20	Neuvitas.....
			Rodriguez.		
			Prov. flag bge. San Fer-	do.....	do.....
			nando.		
19	Newbern, N. C.....	do.....			
20	Nome, Alaska.....	Aug. 31			
21	Pascagoula, Miss.....	Sept. 21			
22	Port Angeles, Wash.....	Sept. 14			
23	Port Townsend, Wash.....	do.....	Rev. cutter U. S. Grant....	Sept. 12	Ketchikan.....
24	Reedy Island, Del.....	Sept. 21			
25	San Diego, Cal.....	do.....			
26	San Francisco, Cal.....	Sept. 14			
27	San Pedro, Cal.....	Sept. 21			
28	Santa Rosa, Fla.....	do.....	Nor. bk. Arizona (a).....	Sept. 6	Rotterdam.....
			Nor. bk. Crown (a).....	do.....	Pernambuco.....
			Rus. bk. Australia.....	do.....	Bahia.....
			Nor. bk. Staut (a).....	Sept. 12	London.....
			Nor. ss. Haugar.....	Sept. 16	Antwerp.....
29	Savannah, Ga.....	Sept. 21	Br. ss. St. Kilda (a).....	Sept. 11	Hull.....
			Br. ss. Duchess of York (a)	Sept. 13	Trinidad.....
30	South Atlantic Quar-	do.....			
	antine, Blackbeard Island,				
	Ga.				
31	Washington, N. C.....	do.....			
CUBA:					
32	Baracos.....	Sept. 7			
33	Batabano.....	Sept. 14			
34	Caibarien.....	do.....			
35	Cardenas.....	do.....			
36	Casilda.....	Sept. 21			
37	Daiquiri.....	Aug. 31			
		Sept. 7			
38	Gibara.....	do.....			

a Previously reported.

and inspection stations.

Number.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
1				No transactions.....	
2				No report.....	
3	Brunswick.....	Disinfected and held.....	Sept. 19	Am. sc. John C. Smith, from Jacksonville, previously reported, remanded to South Atlantic Quarantine; sickness on board.	
4					4
5					2
6	Carrabelle.....	Ballast discharged; hold disinfected.	Sept. 17		3
7	Portland.....	Partially disinfected.....	Sept. 8	Chinese members of crew bathed and effects disinfected.	4
8					2
9				No report.....	
10	Fernandina.....	Held for disinfection.....	Sept. 17		4
11	do.....	do.....		No report.....	
12					2
13	Ship Island.....	Disinfected and held.....	Sept. 16		3
	Pascagoula.....	do.....			
	Ship Island.....	do.....	Sept. 18		
	do.....	Held for disinfection.			
	Pascagoula.....	Disinfected and held.....	Sept. 21		
14	Key West.....	Disinfection completed....		Passed.....	6
15	do.....	Disinfected.....		do.....	
16	Jacksonville.....	Held for instructions.	Sept. 17	No bill of health.....	1
17				No transactions.....	11
18	Tampa.....	Held to complete 5 days.....			3
	do.....	Awaiting release of tug.....			
19				No transactions.....	
20					2
21				No transactions.....	
22				do.....	
23	Port Townsend...	Passed on certificate of medical officer.	Sept. 12		21
24					17
25					3
26				Physical examination of oriental steerage passengers on Br. ss. Flintshire and Br. ss. Doric from Hongkong.	19
27				No transactions.....	
28	Pensacola.....	Held to discharge ballast and clean hold.	Sept. 21		1
	do.....	Disinfected and held; ballast discharged.	Sept. 19		
	do.....	do.....	Sept. 20		
	Pensacola.....	Held to discharge ballast....			
	do.....	do.....			
29	Savannah.....	Disinfected to kill rats.....	Sept. 15		5
30	do.....	Disinfected and held.....	Sept. 20	No report.....	
31				No transactions.....	
32					5
33					6
34				12 vessels passed without inspection.	
35					14
36					7
37					2
					1
38				No report.....	

Reports from national quarantine

Number.	Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.
39	CUBA—Continued. Guantanamo.....	Aug. 31 Sept. 7	..........	..........	..........
40	Havana	Sept. 14	Am. sc. Wave..... Sa. Fanita	Sept. 8 Sept. 11	Key West
41	Isabela de Sagua.....	do.....	Am. sc. B. Frank Neally... Nor. ss. Tjomo..... Am. sc. Chalmette.....	Sept. 12 Sept. 14 do.....	Tampa
42	Manzanillo.....	Sept. 21 Aug. 31	..... .....	..... .....	Key West
43	Matanzas.....	Sept. 7 Sept. 14	..... .....	..... .....	Cardenas.....
44	Nuevitas	Sept. 7 Sept. 14 Sept. 21	..... ..... Prov. flag tug Humberto Rodriguez. Prov. flag barge San Fer- nando.	Sept. 16 do.....	Tampa
45	Puerto Padre.....	Sept. 7 Sept. 14	..... .....	..... .....	do.....
46	Santiago de Cuba	Aug. 31 Sept. 7	Prov. flag ss. Herrera.....	Aug. 25	Havana
47	HAWAII: Hilo.....	Aug. 31	.....	.....	.....
48	Honolulu.....	Sept. 7	.....	.....	.....
49	Kahului.....	do.....	.....	.....	.....
50	Koloa.....	do.....	.....	.....	.....
51	PHILIPPINES: Cebu.....	Aug. 3 Aug. 10	..........	..........	..........
52	Iloilo.....	do.....	.....	.....	.....
53	Manila	do.....	.....	.....	.....
54	PORTO RICO: Ponce.....	Sept. 14	.....	.....	.....
55	San Juan.....	do.....	.....	.....	.....
56	Subpoite.....	do.....	.....	.....	.....
57	Aguadilla.....	do.....	.....	.....	.....
58	Arecibo.....	do.....	.....	.....	.....
59	Arroyo.....	do.....	.....	.....	.....
60	Fajardo.....	do.....	.....	.....	.....
61	Humacao.....	do.....	.....	.....	.....
	Mayaguez.....	do.....	.....	.....	.....

and inspection stations—Continued.

Number.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
39				3 vessels passed without inspection.	2
				2 vessels passed without inspection.	1
40	Key West	Partially disinfected.....	Sept. 8		30
	do	do	Sept. 11		
	do	do	Sept. 12		
	Mobile.....	Disinfected.....			
	New Orleans	Being disinfected			
41				9 vessels passed without inspection.	1
42					10
					9
					4
43				3 vessels passed without inspection.	4
44					13
					6
	Neuvitas.....	Disinfected.....	Sept. 17	2 vessels passed without inspection.	8
	do	do	do.....		
45					3
					3
46	San Juan.....	Disinfected.....	Aug. 25	4 vessels passed without inspection.	7
				do	7
47				No transactions.....	
48					7
49					1
50				No transactions.....	
51					23
					22
52					4
53				No report.....	
54					2
55					2
56				No transactions.....	
57				do	
58				do	
59				do	
60					1
61					1

Reports from State and

Number.	Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.
1	Baltimore, Md.....	Sept. 29	.....	.....	.....
2	Bangor, Me.....	do.....	.....	.....	.....
3	Boston, Mass.....	do.....	.....	.....	.....
4	Cedar Keys, Fla.....	Sept. 21	.....	.....	.....
5	Charleston, S. C.....	do.....	.....	.....	.....
6	Charlotte Harbor, Fla.....	do.....	.....	.....	.....
7	Elizabeth River, Va.....	do.....	.....	.....	.....
8	Galveston, Tex.....	do.....	Br. ss. Pinedene.....	Sept. 17	Antofagasta.....
9	Gardiner, Oreg.....	do.....	.....	.....	.....
10	Marcus Hook, Pa.....	Sept. 7	.....	.....	.....
		Sept. 14	.....	.....	.....
		Sept. 21	U. S. S. Castine.....	Sept. 19	Funchal.....
11	Mobile Bay, Ala.....	do.....	Nor. ss. Harald.....	Sept. 17	Bocas del Toro.....
			Nor. ss. John Wilson.....	Sept. 20	Port Limon.....
12	New Bedford, Mass.....	Sept. 28	.....	.....	.....
13	New Orleans, La.....	Sept. 7	Port. bk. Clara (a).....	.....	.....
			Sp. ss. Seirak Bat (a).....	.....	.....
			Br. ss. Montezuma (a).....	.....	.....
			Nor. ss. Atlas.....	Sept. 1	Progreso.....
			Port. bk. Venturosa.....	do.....	Rio de Janeiro.....
			Br. ss. Bardsey.....	do.....	Santos.....
			Am. ss. S. Oteri.....	Sept. 2	Puerto Cortez via Belize.
			Br. ss. Heatheraig.....	do.....	Rio de Janeiro.....
			Br. ss. Patrician.....	do.....	Port Elizabeth.....
			Am. ss. Breakwater.....	Sept. 3	Port Limon.....
			Am. ss. Chalmette.....	do.....	Havana.....
			Br. ss. Darien.....	do.....	Liverpool and Mexican ports.
			Am. ss. Californian.....	do.....	Porto Rican ports
			Br. ss. Olympia.....	Sept. 5	Port Limon.....
			Am. ss. Stillwater.....	do.....	Bocas del Toro.....
			Am. ss. Arkadia.....	Sept. 6	Porto Rican ports
			Nor. ss. Spero.....	Sept. 7	Port Limon.....
			Br. ss. Easby Abbey.....	do.....	Port Elizabeth.....
			Nor. ss. Themis.....	do.....	Mexican ports.....
			Br. ss. Westhall.....	do.....	Santos via Rio de Janeiro.
		Sept. 14	Br. ss. Darien (b).....	Sept. 3	Liverpool and Mexican ports.
			Am. ss. Arkadia (b).....	Sept. 6	Porto Rican ports
			Nor. ss. Themis.....	Sept. 7	Mexican ports.....
			Br. ss. Westhall.....	do.....	Santos via Rio de Janeiro.
			Br. ss. Anselm.....	Sept. 9	Puerto Cortez via Belize.
			Am. ss. Excelsior.....	do.....	Havana.....
			Br. ss. Beverley.....	do.....	Port Limon.....
			Sp. ss. Corbea.....	do.....	Vera Cruz.....
			Am. ss. Foxhall.....	Sept. 10	Bocas del Toro.....
			Br. ss. Costa Rican.....	do.....	Liverpool and Mexican ports.
			Swed. ss. Hispania.....	Sept. 11	Port Limon.....
			Am. ss. S. Oteri.....	do.....	Ruatan.....
			Am. sc. L. N. Dantzier.....	do.....	Foula, Mexico.....
			Dan. ss. Venus.....	Sept. 12	Port Limon.....
			Br. ss. European.....	do.....	Port Elizabeth.....
			Br. ss. Jamaican.....	Sept. 13	East London, South Africa.
			Br. ss. Montreal.....	do.....	Durban, South Africa.
			Br. ss. Electrician.....	do.....	Tampico.....
14	Newport News, Va.....	Sept. 27	.....	.....	.....
15	Newport, R. I.....	do.....	.....	.....	.....
16	New York, N. Y.....	do.....	.....	.....	.....
17	Pass Cavallo, Tex.....	do.....	.....	.....	.....
18	Port Royal, S. C.....	do.....	.....	.....	.....
19	Providence, R. I.....	do.....	.....	.....	.....
20	Quintana, Tex.....	do.....	.....	.....	.....
21	Sabine Pass, Tex.....	Sept. 21	.....	.....	.....
22	St. Helena Entrance, S. C.....	Sept. 19	.....	.....	.....
23	Tampa Bay, Fla.....	Sept. 28	.....	.....	.....

a Probably reported in report for week ended August 31, 1901, which was not received at this office.

municipal quarantine stations.

Number.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
1				No report.	
2				do	
3				do	
4				18 or 20 fish and turtle boats came in on special permits.	16
5					2
6				No transactions.	
7				do	
8	Galveston	Fumigated and held	Sept. 22	No report.	5
9					25
10				2 vessels spoken and passed.	31
	Philadelphia	Passed on certificate of medical officer.	Sept. 19	5 vessels spoken and passed.	37
11	Mobile	Disinfected	Sept. 17		9
12	do	do	Sept. 20	No report.	
13					
	New Orleans	Disinfected and held	Sept. 6		
	do	do	do		
	Orders	do	Sept. 3		
	New Orleans	Disinfected	Sept. 2		
	Orders	Disinfected and held	Sept. 5		
	New Orleans	do	Sept. 3	1 case malaria, 7 cases of dysentery.	
	do	Disinfected	do		
	do	Disinfected and held	Sept. 5		
	do	do		4 cases yellow fever	
	do	Disinfected	Sept. 3		
	do	do	Sept. 5		
	do	do	do		
	do	Disinfected and held			
	do	Disinfected	Sept. 7		
	do	do	do		
	do	Disinfected and held			
	do	do			
	do	do	Sept. 13	4 cases of yellow fever	
	do	do	Sept. 11		
	do	do	Sept. 12		
	do	do	do		
	do	Disinfected	Sept. 9		
	do	Disinfected and held	Sept. 11		
	do	Disinfected	Sept. 9		
	do	Disinfected and held	Sept. 14		
	do	Disinfected	Sept. 10		
	do	Disinfected and held			
	do	Disinfected	Sept. 11		
	do	do	do		
	do	Disinfected and held			
	do	Disinfected	Sept. 12		
	do	do	do		
	do	do	Sept. 13		
	do	do	do		
	do	Disinfected and held			
14				No report.	
15				do	
16				do	
17				do	
18				do	
19				do	
20				do	
21					5
22					1
23					

b Previously reported.

Smallpox in the United States as reported to the Surgeon-General United States Marine-Hospital Service, June 28, 1901, to October 4, 1901.

[For reports received from December 28, 1900, to June 28, 1901, see PUBLIC HEALTH REPORTS for June 28, 1901.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile County.....	July 8.....	6		
Total for State, same period, 1900.		1		
Alaska:				
Kluckwan	July 26.....			Reported.
Total for Territory, same period, 1900.		28	1	
California:				
Los Angeles.....	June 2-Aug. 24...	13		
San Francisco.....	July 1-Sept. 21...	17		
Total for State		30		
Total for State, same period, 1900.		4	1	
Colorado:				
Arapahoe County.....	May 1-Aug. 31...	82		
Bent County	do	9		
Boulder County.....	do	30		
Chaffee County.....	do	2		
Clear Creek County.....	do	3		
Costilla County.....	do	6		
Custer County.....	do	2		
Delta County.....	do	17		
Douglas County.....	do	10		
El Paso County.....	do	22		
Fremont County.....	do	2		
Garfield County.....	do	6		
Gilpin County.....	do	1		
Gunnison County.....	do	10		
Jefferson County.....	do	9		
Kit Carson County.....	do	1		
Lake County.....	do	19		
La Plata County.....	do	7		
Larimer County.....	do	1		
Las Animas County.....	do	10		
Mesa County.....	do	2		
Mineral County.....	do	41		
Montrose County.....	do	13		
Morgan County.....	do	2		
Otero County.....	do	9		
Ouray County.....	do	9		
Park County.....	do	9		
Phillips County.....	Aug. 1-Aug. 31...	2		
Pitkin County.....	May 1-Aug. 31...	7		
Prowers County.....	do	2		
Pueblo County.....	do	7		
Rio Grande County.....	do	6		
Routt County.....	do	9		
Saguache County.....	do	11		
San Juan County.....	do	12		
San Miguel County.....	do	2		
Summit County.....	do	14		
Teller County.....	do	58		
Washington County.....	do	5		
Weld County.....	do	10		
Total for State		479		
Total for State, same period, 1900.		174		
District of Columbia:				
Washington.....	June 16-Sept. 21...	11		
Total for District, same period, 1900.		24		
Georgia:				
Pickens County.....	July 1-Aug. 10...	37		
Illinois:				
Chicago.....	June 23-Aug. 17...	14		
Fairport.....	Aug. 18-Sept. 14...	2		
Peoria.....	June 1-Aug. 31...	78		
Springfield.....	do	6		
Total for State.....		100		
Total for State, same period, 1900.		121	6	

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana:				
Adams County.....	June 1-July 31...	42	.....
Allen County.....	do.....	12	1	
Cass County.....	do.....	3	.....
Clinton County.....	do.....	20	1	
Davies County.....	do.....	27	1	
Dearborn County.....	do.....	4	.....
De Kalb County.....	do.....	7	.....
Jay County.....	do.....	1	.....
Kosciusko County.....	do.....	11	.....
Laporte County.....	do.....	6	1	
Marion County.....	do.....	6	.....
Montgomery County.....	do.....	1	.....
Ohio County.....	do.....	6	.....
Owen County.....	do.....	1	.....
Porter County.....	do.....	3	.....
Posey County.....	do.....	4	.....
Randolph County.....	do.....	3	.....
Spencer County.....	do.....	12	.....
Switzerland County.....	do.....	11	.....
Tippecanoe County.....	do.....	32	.....
Total for State.....		212	4	
Total for State, same period, 1900.		130	5	
Iowa:				
Clinton.....	June 16-June 22...	1	.....
Ottumwa.....	June 2-June 29...	8	.....
Total for State.....		9	.....
Total for State, same period, 1900.		13	.....
Kansas:				
Allen County.....	June 1-July 31...	23	.....
Anderson County.....	do.....	1	.....
Barber County.....	do.....	2	.....
Barton County.....	do.....	43	1	
Bourbon County (Fort Scott).....	do.....	26	.....
Chautauqua County.....	do.....	1	.....
Cherokee County.....	do.....	32	1	
Clark County.....	do.....	4	.....
Clay County.....	do.....	3	.....
Cloud County.....	do.....	1	.....
Crawford County.....	do.....	122	.....
Douglas County.....	do.....	5	.....
Greenwood County.....	do.....	4	1	
Hamilton County.....	do.....	2	.....
Jefferson County.....	do.....	27	.....
Labette County.....	do.....	25	.....
Lane County.....	do.....	6	.....
Leavenworth County.....	do.....	4	.....
Meade County.....	do.....	5	.....
Montgomery County.....	do.....	2	.....
Ness County.....	do.....	11	.....
Ottawa County.....	do.....	5	.....
Pottawatomie County.....	do.....	2	.....
Reno County.....	do.....	1	.....
Shawnee County.....	do.....	6	.....
Stevens County.....	do.....	8	.....
Sumner County.....	do.....	18	.....
Sedgwick County (Wichita).....	do.....	18	1	
Washington County.....	do.....	3	.....
Total for State.....		410	4	
Total for State, same period, 1900.		55	1	
Kentucky:				
Lexington.....	June 23-Sept. 28...	2	.....
Total for State, same period, 1900.		32	.....
Louisiana:				
New Orleans.....	June 16-Aug. 31...	10	1	
Shreveport.....	July 14-July 24...	1	1	
Total for State.....		11	2	
Total for State, same period, 1900.		159	43	
Maine:				
Portland.....	Sept. 10-Sept. 14...	2	.....

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Massachusetts:				
Boston.....	July 7-Sept. 28...	41	4	
Fall River.....	June 23-July 13...	14	1	
Fitchburg.....	June 2-June 8...	1		
Gloucester.....	July 17.....	1		
Holyoke.....	July 7-July 13...	1		
Medford.....	Sept. 1-Sept. 7...	1		
New Bedford.....	July 1-July 13...	1	1	
Quincy.....	June 16-June 22...	1		
Waltham.....	June 23-June 29...	1		
Worcester.....	June 15-July 5...	5	3	
Total for State.....		67	9	
Total for State, same period, 1900.....		22		
Michigan:				
Houghton County.....	July 1-July 13...			Smallpox present.
Isabella County.....	do.....			Do.
Kent County (Grand Rapids).....	do.....			Do.
Mackinac County.....	do.....			Do.
Mason County.....	do.....			Do.
Oscoda County.....	do.....			Do.
Saginaw County.....	do.....			Do.
Van Buren County.....	do.....			Do.
Wayne County (Detroit).....	July 1-Sept. 21...	1		Do.
Total for State.....				
Total for State, same period, 1900.....		31	1	
Minnesota:				
Aitkin County.....	June 17-Sept. 23...	31		
Anoka County.....	do.....	18		
Becker County.....	do.....	14		
Beltrami County.....	do.....	66		
Benton County.....	do.....	26		
Big Stone County.....	do.....	17		
Blue Earth County.....	do.....	4		
Brown County.....	do.....	16		
Carlton County.....	do.....	33	1	
Carver County.....	do.....	5		
Cass County.....	do.....	26	2	
Chippewa County.....	do.....	6		
Clay County.....	do.....	29	1	
Cook County.....	do.....	26		
Cottonwood County.....	do.....	2		
Crow Wing County.....	do.....	65		
Dakota County.....	do.....	2		
Dodge County.....	do.....	2		
Douglas County.....	do.....	27		
Fillmore County.....	do.....	22		
Freeborn County.....	do.....	4		
Goodhue County.....	do.....	1		
Hennepin County (Minneapolis).....	do.....	47		
Houston County.....	do.....	9		
Hubbard County.....	do.....	6		
Isanti County.....	do.....	1		
Itasca County.....	do.....	11		
Jackson County.....	do.....	2		
Kanabec County.....	do.....	2		
Kittson County.....	do.....	12		
Lesueur County.....	do.....	8		
Lyon County.....	do.....	10		
Marshall County.....	Sept. 9-Sept. 23...	1		
Martin County.....	June 17-Sept. 23...	3		
Meeker County.....	do.....	3		
Millelacs County.....	do.....	12		
Morrison County.....	do.....	41		
Mower County.....	Sept. 9-Sept. 23...	1		
Murray County.....	June 17-Sept. 23...	4		
Nicollet County.....	do.....	2		
Nobles County.....	Aug. 26-Sept. 9...	46		
Norman County.....	June 17-Sept. 9...	42		
Olmsted County (Rochester).....	do.....	74		
Ottertail County.....	June 17-Sept. 23...	62	1	
Pine County.....	do.....	6		
Pipestone County.....	do.....	80		
Polk County.....	do.....	71	1	
Pope County.....	do.....	31		
Ramsey County (St. Paul).....	do.....	19		
Red Lake County.....	do.....			

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Red Wood County.....	June 17-Sept. 23...	21	2	
Renville County.....	do.....	9		
Rice County.....	do.....	60	1	
Rock County.....	do.....	2		
Roseau County.....	do.....	1		
St. Louis County (Duluth).....	do.....	139		
Sherburne County.....	do.....	21		
Sibley County.....	do.....	32		
Stearns County.....	do.....	133		
Steele County.....	do.....	14		
Stevens County.....	do.....	6		
Swift County.....	Aug. 1-Aug. 31...	1		
Todd County.....	June 17-Sept. 23...	50		
Traverse County.....	do.....	10		
Wabasha County.....	do.....	8	1	
Wadena County.....	do.....	8		
Waseca County.....	do.....	10		
Washington County.....	do.....	40		
Winona County (Winona).....	do.....	21	1	
Total for State.....		1,635	11	
Total for State, same period, 1900.		372	3	
Missouri:				
St. Joseph.....	Aug. 1-Aug. 31...	11	1	
St. Louis.....	June 17-Sept. 22...	106	1	
Total for State.....		117	2	
Nebraska:				
Omaha.....	June 16-Sept. 21...	29		
South Omaha.....	June 25-July 31...	19		
Total for State.....		48		
Total for State, same period, 1900.		6		
New Hampshire:				
Manchester.....	June 16-July 13...	3		
Nashua.....	July 21-Aug. 3...	3		
Total for State.....		6		
Total for State, same period, 1900.		12		
New Jersey:				
Essex County, including Newark.....	July 1-Sept. 28...	70	15	
Hudson County, including Jersey City.....	June 17-Sept. 15...	15	1	
Total for State.....		85	16	
Total for State, same period, 1900.		5		
New York:				
Buffalo (a).....	June 25-July 27...	8		
Dunkirk.....	July 1-July 6...	1		
Elmira.....	June 16-Sept. 21...	11		
Gowanda.....	July 29.....	7		
New York.....	June 23-Sept. 28...	499	143	
Rochester.....	July 1-July 31...	5		
Total for State.....		531	143	
Total for State, same period, 1900.		7	2	
North Carolina:				
Alamance County.....	May 1-July 31...	1		
Buncombe County.....	do.....	26		
Burke County.....	do.....	9		
Cabarrus County.....	do.....	7		
Caswell County.....	do.....	13		
Chatham County.....	do.....	4		
Cleveland County.....	do.....	18		
Cumberland County.....	do.....	22		
Davie County.....	July 1-July 31...	1		
Durham County.....	May 1-July 31...	20		
Forsyth County.....	July 1-July 31...	5	1	
Gaston County.....	May 1-July 31...	17		
Greene County.....	do.....	2		

a In previous PUBLIC HEALTH REPORTS 3 deaths are erroneously reported from Buffalo

Smallpox in the United States, etc.—Continued.

Place.	Date	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Guilford County.....	May 1-July 31...	15		
Haywood County.....	July 1-July 31...	1		
Henderson County.....	..do	15		
Johnston County.....	May 1-July 31...	19		
McDowell County.....	..do	5		
Mecklenburg County.....	..do	25		
Orange County.....	..do	37		
Person County.....	..do	78		
Polk County.....	..do	2		
Randolph County.....	July 1-July 31...	23		
Robeson County.....	May 1-July 31...	2		
Rockingham County.....	..do	5		
Rowan County.....	..do	3		
Sampson County.....	..do	1		
Stanly County.....	..do	10		
Wake County.....	..do	20		
Wayne County.....	..do			Several cases.
Total for State.....		406	1	
Total for State, same period, 1900.		440		
North Dakota:				
Barnes County.....	July 1-Sept. 15...	24		
Burleigh County.....	July 14-July 20...	1		
Cass County.....	July 1-July 13...	3		
Foster County.....	Sept. 15.....	1		
Grand Forks County.....	..do	6		
Lamoure County.....	..do	3		
Pembina County.....	July 1-July 6...	5		
Richland County.....	..do	2		
Rolette County.....	Sept. 15.....	1		
Stutsman County.....	July 7-July 13...	1		
Traill County.....	July 14-July 20...	1		
Wells County.....	Sept. 15.....	5		
Fisher.....	July 7-July 13...	1		
Lakota.....	July 1-July 6...	2		
Total for State.....		56		
Total for State, same period, 1900.		16	2	
Ohio:				
Adams County.....	Jan. 1-July 31...	27	1	
Allen County.....	..do	8		
Ashland County.....	..do	15		
Ashtabula County.....	..do	31		
Athens County.....	..do	19		
Augsbize County.....	..do	5		
Belmont County.....	..do	44		
Brown County.....	..do	7		
Carroll County.....	..do	1		
Champaign County.....	..do	6	1	
Clark County.....	..do	1		
Clermont County.....	June 1-July 31...	1		
Columbiana County.....	Jan. 1-July 31...	2		
Coshocton County.....	..do	81		
Crawford County.....	..do	23		
Cuyahoga County (Cleveland)	Jan. 1-Aug. 21...	1,310	18	
Dalliance County.....	Jan. 1-July 31...	21		
Delaware County.....	..do	4		
Erie County.....	..do	5		
Fairfield County.....	..do	1		
Franklin County.....	..do	46		
Gallia County.....	..do	64	1	
Geauga County.....	..do	29		
Greene County.....	..do	2		
Guernsey County.....	..do	13		
Hamilton County (Cincinnati)	Jan. 1-Aug. 2...	82	1	
Hancock County.....	Jan. 1-July 31...	8		
Hardin County.....	..do	206		
Harrison County.....	..do	9		
Henry County.....	..do	11		
Hooking County.....	..do	6		
Huron County.....	..do	44	2	
Jackson County.....	..do	82	1	
Jefferson County.....	..do	32	1	
Knox County.....	..do	1		
Lake County.....	..do	17	1	
Lawrence County.....	..do	90		
Logan County.....	June 1-July 31...	1		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ohio—Continued.				
Lorain County.....	Jan. 1-July 31...	78	2	
Lucas County (Toledo).....	.....do.....	22		
Mahoning County.....	Jan. 1-June 1....	6		
Marion County.....	.....do.....	1		
Mercer County.....	.....do.....	1		
Monroe County.....	June 1-July 31...	64	1	
Montgomery County.....	Jan. 1-July 31...	13	1	
Morgan County.....	.....do.....	1		
Ottawa County.....	.....do.....	34	1	
Faulding County.....	.....do.....	38		
Perry County.....	.....do.....	57		
Pike County.....	.....do.....	2		
Portage County.....	.....do.....	24		
Putnam County.....	.....do.....	17		
Richland County.....	.....do.....	71	1	
Sandusky County.....	June 1-July 31...	1		
Scioto County.....	Jan. 1-July 31...	171	2	
Seneca County.....	Jan. 1-July 31...	7		
Shelby County.....	.....do.....	76		
Stark County.....	.....do.....	10	2	
Summit County.....	.....do.....	2	1	
Trumbull County.....	.....do.....	15	1	
Tuscarawas County.....	.....do.....	4		
Van Wert County.....	.....do.....	15		
Vinton County.....	.....do.....	32	1	
Washington County.....	.....do.....	72	1	
Williams County.....	.....do.....	91		
Wood County.....	.....do.....	171	1	
Wyandot County.....	.....do.....	1		
Total for State.....		3,457	42	
Total for State, same period, 1900.		1,386	17	
Oregon:				
Portland.....	June 1-June 30...	8		
Total for State, same period, 1900.		10		
Pennsylvania:				
Allegheny County (including Pittsburg).....	Feb. 1-Aug. 27...	103	1	
Armstrong County.....	.....do.....	1		
Bedford County.....	.....do.....	25		
Berks County.....	.....do.....	3		
Blair County.....	.....do.....	2		
Butler County.....	.....do.....	2		
Chester County.....	May 9-Sept. 13...	85	4	
Cumberland County.....	.....do.....	16		
Dauphin County (including Harrisburg).....	.....do.....	248		
Delaware County.....	.....do.....	32		
Erie County.....	May 9-Sept. 14...	32		
Fayette County.....	May 9-Sept. 13...	3		
Franklin County.....	.....do.....	51		
Greene County.....	.....do.....	2		
Lancaster County.....	.....do.....	9		
Lawrence County.....	.....do.....	50		
Lebanon County (including Lebanon).....	Feb. 1-Sept. 22...	169	3	
Luzerne County.....	Feb. 1-Aug. 27...	45	3	
Lycoming County (including Williamsport).....	.....do.....	101		
McKean County.....	.....do.....	8		
Mercer County.....	.....do.....	13	2	
Perry County.....	.....do.....	17		
Philadelphia County (in- cluding Philadelphia).....	Feb. 1-Sept. 28...	202	19	
Schuylkill County.....	July 27-Aug. 12...	1		
Tioga County.....	Feb. 1-July 27...	5		
Venango County.....	.....do.....	1		
Warren County.....	.....do.....	1		
Washington County.....	.....do.....	12		
Westmoreland County.....	Feb. 1-Aug. 27...	27		
York County.....	.....do.....	12		
Total for State.....		1,278	32	
Total for State, same period, 1900.		11		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Rhode Island:				
Providence.....	June 23-July 6...	3		
Total for State, same period, 1900.		0		
Tennessee:				
Knoxville.....	June 1-June 30...	8	1	
Memphis.....	June 23-Aug. 3...	11		
Nashville.....	July 1-July 6...	3		
Total for State.....		22	1	
Total for State, same period, 1900.		0		
Texas:				
Jasper County.....	June 17-July 17...		2	
San Antonio.....	July 1-July 31...	5		
Total for State.....		5	2	
Total for State, same period, 1900.		566	4	
Utah:				
Ogden.....	July 1-July 31...	1		
Salt Lake City.....	June 16-Sept. 14...	35		
Total for State.....		36		
Total for State, same period, 1900.		37		
Virginia:				
Roanoke.....	June 1-June 30...	1		
Total for State, same period, 1900.		27	1	
Washington:				
Clallam County.....	June 18.....	3		
Seattle.....	June 1-July 31...	20	3	
Tacoma.....	June 18-Sept. 21...	17		
Total for State.....		40	3	
Total for State, same period, 1900.		36		
West Virginia:				
Berkeley County.....	July 21.....	9		
Wheeling.....	June 16-Aug. 31...	3		
Total for State.....		12		
Total for State, same period, 1900.		1		
Wisconsin:				
Ashland County.....	Aug. 1-Aug. 8...	1		
Brown County (including Greenbay).....	Aug. 18-Sept. 22...	6		
Clark County.....	Aug. 1-Aug. 8...	17		
Douglas County.....	do.....	3		
Dunn County.....	do.....	6		
Kewaunee County.....	do.....	1		
Milwaukee County (including Milwaukee).....	Sept. 7.....	1		
Marathon County.....	do.....	2		
Shawano County.....	do.....	8	8	
Winnebago County.....	do.....	5		
Eighty places.....	May 5-May 31...	347	0	
Sixty-seven places.....	June 1-June 30...	283	3	
Fifty-two places.....	July 1-July 31...	268	0	
Nine places.....	Aug. 1-Aug. 8...	35	8	
Total for State.....		988	19	
Total for State, same period, 1900.		297	4	
Grand total.....		10,112	191	
Grand total, same period, 1900.		4,099	89	

Plague in the United States as reported to the Surgeon-General, United States Marine-Hospital Service, from June 28, 1901, to October 4, 1901.

[For reports received from January 1, 1901 to June 28, 1901, see PUBLIC HEALTH REPORTS for June 28, 1901.]

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
California:				
San Francisco.....	July 6.....	1	1	
Do.....	July 9.....	3	2	
Do.....	July 11.....	1	1	
Do.....	Aug. 29.....	1	1	
Do.....	Sept. 11.....	1	0	
Do.....	Sept. 14.....	1	1	
Do.....	Sept. 20.....	1	.....
Do.....	Sept. 27.....	1	1	

Weekly mortality table, cities of the United States.

Cities.	Week ended.	Population, U. S. census of 1900.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Yellow fever.	Smallpox.	Variceloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Allegheny City, Pa.	Sept. 21	129,896	39	2						6	1	2		
Ashabula, Ohio.	Sept. 28	12,919	2											
Baltimore, Md.	do.	508,957	134	20						4		1		2
Baton Rouge, La.	Sept. 21	11,269	1											
Binghamton, N. Y.	Sept. 28	38,647	12	2								1		1
Boston, Mass.	Sept. 21	560,892	216	24						6	1	1	1	
Do.	Sept. 28	560,892	224	24		1				3	2	2	2	3
Burlington, Vt.	Sept. 21	18,641	5											
Cambridge, Mass.	do.	91,886	28	7										
Camden, N. J.	Sept. 28	75,935	28											
Carbondale, Pa.	Sept. 21	13,536	4	1										
Chelsea, Mass.	do.	34,072	10											
Chicago, Ill.	Sept. 28	1,698,575	485	52						15	2	6	1	3
Cincinnati, Ohio	Sept. 27	325,902	89	12										
Clinton, Mass.	Sept. 21	13,667	3											
Dayton, Ohio.	Sept. 28	85,333	23	3										
Detroit, Mich.	Sept. 21	285,704	82	7						1	1			
Dunkirk, N. Y.	do.	11,616	4											
Elmira, N. Y.	do.	35,672	12	2						1				
Erie, Pa.	do.	52,733	18								1			1
Everett, Mass.	do.	24,336	14	1										
Fall River, Mass.	Sept. 28	104,863	43	5								3		
Fitchburg, Mass.	Sept. 21	31,531	10	1									3	
Freeport, Ill.	do.	13,258	4									1		
Galesburg, Ill.	do.	18,607	7											
Gloucester, Mass.	Sept. 28	26,121	6	1										
Grand Rapids, Mich.	Sept. 21	87,565	19	1							1			
Do.	Sept. 28	87,565	24	2						1			1	
Green Bay, Wis.	Sept. 23	18,684	3							1				
Greenville, S. C.	Sept. 21	11,860	3											
Jersey City, N. J.	Sept. 22	206,433	80	5						1		3		1
Johnstown, Pa.	Sept. 21	35,936	12	1										
Lawrence, Mass.	do.	62,559	23	2										
Lexington, Ky.	Sept. 14	26,369	6	1						1				
Los Angeles, Cal.	Sept. 21	102,479	35	8										
Lowell, Mass.	Sept. 28	94,969	47	1								4		1
Lynchburg, Va.	do.	18,891	5	2										
McKeesport, Pa.	Sept. 21	34,227	17							2				
Manchester, N. H.	do.	56,987	25	2										
Marlboro, Mass.	do.	13,609	7	1										
Massillon, Ohio.	Sept. 14	11,944	2											
Do.	Sept. 21	11,944	4											
Medford, Mass.	Sept. 28	18,244	4											
Memphis, Tenn.	Sept. 21	102,320	24	1						1				
Milwigan City, Ind.	Sept. 23	14,850	6											
Milwaukee, Wis.	Sept. 21	285,315	66	4						1		2		
Do.	Sept. 28	285,315	67	8								4		
Minneapolis, Minn.	Sept. 21	202,718	41	7						1		4		
Mobile, Ala.	Sept. 28	38,469	17	1										
Nashua, N. H.	do.	23,808	12	2								1		
Nashville, Tenn.	do.	80,865	34	4						2				
Newark, N. J.	Sept. 21	246,070	93	16						5		2		2
New Bedford, Mass.	Sept. 27	62,442	24	2								1		
Newburyport, Mass.	Sept. 21	14,478	8											
New Orleans, La.	do.	287,104	97	13						5		1		
Newport, R. I.	do.	22,034	6											
Newton, Mass.	Sept. 24	33,587	6											
New York, N. Y.	Sept. 21	3,437,282	1,293	159		1				21	2	29	1	9
Norristown, Pa.	do.	22,265	16	1										
North Adams, Mass.	Sept. 28	24,200	11	2										
Northampton, Mass.	Sept. 21	18,613	4	1										
Omaha, Nebr.	do.	102,555	25											
Oneonta, N. Y.	do.	7,147	3											
Palmer, Mass.	Sept. 14	7,807	1											
Do.	Sept. 21	7,807	2											
Philadelphia, Pa.	do.	1,293,697	379	42		4				11	1	6		5
Do.	Sept. 28	1,293,697	365	44		3				8	1	7		5
Pittsburg, Pa.	Sept. 21	321,616	110	10						9	3	5		3
Plainfield, N. J.	do.	15,369	3											
Portland, Me.	do.	50,145	20	2										1
Providence, R. I.	Sept. 28	175,597	67	5								2		
Quincy, Mass.	Sept. 21	23,899	2											
Reading, Pa.	Sept. 23	78,961	23	2						2	1			
Sacramento, Cal.	Sept. 21	29,242	8	3										

Weekly mortality table, cities of the United States—Continued.

Cities.	Week ended.	Population, U. S. census of 1900.	Total deaths from all causes.	Deaths from—									
				Tuberculosis.	Yellow fever.	Smallpox.	Varioloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Salem, Mass.....	Sept. 21	35,956	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
San Diego, Cal.....	Sept. 14	17,700	4	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Sept. 21	17,700	6	1	.....	.....	.....	.....	.....	1	.....	.....	.....
San Francisco, Cal.....	Sept. 8	342,782	a 139	19	.....	.....	.....	.....	.....	3	1	4	.....
Do.....	Sept. 15	342,782	a 130	14	.....	.....	.....	.....	.....	4	.....	2	.....
Santa Barbara, Cal.....	Sept. 14	6,587	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Sept. 21	6,587	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Scranton, Pa.....	Sept. 14	102,026	32	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Do.....	Sept. 21	102,026	27	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Somerville, Mass.....	Sept. 27	61,643	21	2	.....	.....	.....	.....	.....	1	.....	.....	.....
South Bend, Ind.....	Sept. 21	35,999	9	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Steelton, Pa.....	Sept. 28	12,068	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tacoma, Wash.....	Sept. 22	37,714	12	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
Taunton, Mass.....	Sept. 21	31,036	20	1	.....	.....	.....	.....	.....	1	.....	.....	.....
Tiffin, Ohio.....	do.....	10,989	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Toledo, Ohio.....	do.....	131,822	19	3	.....	.....	.....	.....	.....	1	.....	.....	2
Waltham, Mass.....	do.....	23,481	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warren, Ohio.....	do.....	8,529	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington, D. C.....	do.....	278,718	116	9	.....	.....	.....	.....	.....	8	.....	4	2
Wheeling, W. Va.....	do.....	38,878	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Williamsport, Pa.....	Sept. 28	28,767	5	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Winona, Minn.....	Sept. 21	19,714	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Worcester, Mass.....	Sept. 20	118,421	48	3	.....	.....	.....	.....	.....	2	.....	.....	.....
Youngstown, Ohio.....	Sept. 21	44,885	19	2	.....	.....	.....	.....	.....	2	.....	.....	.....

a1 death from bubonic plague.

Table of temperature and rainfall, week ended September 30, 1901.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
Atlantic Coast:						
Eastport, Me.....	53	1		.77		.27
Portland, Me.....	57	1		.76		.16
Northfield, Vt.....	50	4		.56		.16
Boston, Mass.....	59	3		.78	.02	
New Haven, Conn.....	60	0		.88		.08
Albany, N. Y.....	59	3		.77		.17
New York, N. Y.....	62	4		.84		.24
Harrisburg, Pa.....	60	2		.87	.03	
Philadelphia, Pa.....	64	2		.70		.30
New Brunswick, N. J.....	62	0		.87		.17
Atlantic City, N. J.....	63	3		.77	.03	
Baltimore, Md.....	64	2		.82	.08	
Washington, D. C.....	64	0		.81		.01
Lynchburg, Va.....	65		1	.84	.56	
Cape Henry, Va.....	68	2		1.02	.18	
Norfolk, Va.....	67	3		.98		.28
Charlotte, N. C.....	67	1		.76	.24	
Raleigh, N. C.....	65	3		.87	2.73	
Kittyhawk, N. C.....	70	0		.98	.82	
Hatteras, N. C.....	71	1		1.47	2.53	
Wilmington, N. C.....	70	2		1.37	1.03	
Columbia, S. C.....	73	1		.73		.73
Charleston, S. C.....	73	1		1.40		1.30
Augusta, Ga.....	71	1		.69		.49
Savannah, Ga.....	73	1		1.24		.34
Jacksonville, Fla.....	75	1		1.68	2.12	
Jupiter, Fla.....	79	5		2.62	.28	
Key West, Fla.....	82		5	1.80	.80	
Gulf States:						
Atlanta, Ga.....	68		2	.75		.25
Tampa, Fla.....	78	0		1.01	2.29	
Pensacola, Fla.....	75		1	.93	.47	
Mobile, Ala.....	74		2	1.03		.53
Montgomery, Ala.....	72		2	.63	1.47	
Meridian, Miss.....	70		2	.64		.34
Vicksburg, Miss.....	76	2		.68		.68
New Orleans, La.....	76	0		.95		.95
Shreveport, La.....	72	2		.83		.83
Fort Smith, Ark.....	67	9		.78		.78
Little Rock, Ark.....	69	3		.62	.98	
Palestine, Tex.....	71	3		.77		.77
Galveston, Tex.....	77	1		1.29		1.29
San Antonio, Tex.....	75	1		.66	2.04	
Corpus Christi, Tex.....	76	2		.93		.53
Ohio Valley and Tennessee:						
Memphis, Tenn.....	68	4		.70		.70
Nashville, Tenn.....	66	4		.82		.12
Chattanooga, Tenn.....	67		1	.82		.32
Knoxville, Tenn.....	65	1		.59		.39
Lexington, Ky.....	65	1		.56		.36
Louisville, Ky.....	65	7		.60	.20	
Indianapolis, Ind.....	62	8		.64		.64
Cincinnati, Ohio.....	64	6		.49		.19
Columbus, Ohio.....	61	7		.56	.34	
Parkersburg, W. Va.....	63	1		.70	.10	
Pittsburg, Pa.....	63	3		.56	.04	
Lake Region:						
Oswego, N. Y.....	58	2		.70		.10
Rochester, N. Y.....	59	3		.56	.44	
Buffalo, N. Y.....	58	4		.79	.11	
Erie, Pa.....	60	4		.98		.28
Cleveland, Ohio.....	60	6		.77	.23	
Sandusky, Ohio.....	61	5		.61		.41
Toledo, Ohio.....	60	8		.53		.43
Detroit, Mich.....	59	7		.56		.46
Lansing, Mich.....	58	6		.65		.65
Port Huron, Mich.....	57	7		.63		.03
Alpena, Mich.....	54	4		.91		.21
Sault Ste. Marie, Mich.....	50	4		1.02		.02
Marquette, Mich.....	53	1		.93	.17	
Escanaba, Mich.....	53	1		.81	.49	
Green Bay, Wis.....	55	5		.70	.30	

a The figures in this column represent the average daily departure.

Table of temperature and rainfall, week ended September 30, 1901—Cont'd.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
Lake Region—Continued.						
Grand Haven, Mich.....	57	5	.....	.84	.....	.84
Milwaukee, Wis.....	57	7	.....	.63	.....	.53
Chicago, Ill.....	60	8	.....	.63	.....	.63
Duluth, Minn.....	52	2	.....	.80	.90	.....
Upper Mississippi Valley:						
St. Paul, Minn.....	55	5	.....	.65	1.05	.....
La Crosse, Wis.....	58	4	.....	.91	1.99	.....
Dubuque, Iowa.....	59	7	.....	.86	.....	.26
Davenport, Iowa.....	60	10	.....	.70	.....	.40
Des Moines, Iowa.....	59	9	.....	.71	.....	.41
Keokuk, Iowa.....	62	10	.....	.79	.....	.79
Springfield, Ill.....	62	8	.....	.73	.....	.73
Calro, Ill.....	66	6	.....	.63	.....	.63
St. Louis, Mo.....	65	9	.....	.70	.....	.70
Missouri Valley:						
Columbia, Mo.....	65	7	.....	.65	.....	.45
Springfield, Mo.....	61	11	.....	.87	.....	.47
Kansas City, Mo.....	63	9	.....	.77	.....	.37
Topeka, Kans.....	64	6	.....	.56	.24	.....
Wichita, Kans.....	63	9	.....	.58	.02	.....
Concordia, Kans.....	62	8	.....	.51	.....	.11
Lincoln, Nebr.....	63	5	.....	.42	.48	.....
Omaha, Nebr.....	60	8	.....	.63	1.93	.....
Sioux City, Iowa.....	60	4	.....	.22	2.68	.....
Yankton, S. Dak.....	58	6	.....	.58	.62	.....
Valentine, Nebr.....	57	3	.....	.21	.....	.21
Huron, S. Dak.....	55	3	.....	.28	1.32	.....
Pierre, S. Dak.....	58	2	.....	.21	.....	.21
Moorhead, Minn.....	52	.....	2	.48	1.22	.....
Bismarck, N. Dak.....	53	.....	3	.21	.39	.....
Williston, N. Dak.....	51	.....	9	.14	.46	.....
Rocky Mountain Region:						
Havre, Mont.....	52	.....	10	.26	.44	.....
Helena, Mont.....	53	.....	7	.26	.34	.....
Miles City, Mont.....	55	.....	7	.14	.46	.....
Rapid City, S. Dak.....	58	.....	4	.14	.....	.14
Spokane, Wash.....	56	.....	6	.28	.32	.....
Walla Walla, Wash.....	63	.....	7	.28	.12	.....
Baker City, Oreg.....	56	.....	8	.21	.59	.....
Winnemucca, Nev.....	57	.....	9	.10	.00	.....
Pocatello, Idaho.....	55	.....	3	.20	.30	.....
Boise, Idaho.....	54	0	.....	.14	.06	.....
Salt Lake City, Utah.....	61	.....	3	.24	.46	.....
Lander, Wyo.....	51	.....	3	.21	.....	.11
Cheyenne, Wyo.....	52	2	.....	.19	.....	.19
North Platte, Nebr.....	58	4	.....	.28	.....	.28
Denver, Colo.....	58	0	.....	.19	.....	.19
Pueblo, Colo.....	60	2	.....	.07	.....	.07
Dodge City, Kans.....	63	7	.....	.28	1.32	.....
Oklahoma, Okla.....	69	7	.....	.56	.....	.56
Amarillo, Tex.....	64	6	.....	.38	.32	.....
Abilene, Tex.....	68	10	.....	.56	.....	.56
Santa Fe, N. Mex.....	56	6	.....	.33	.....	.33
El Paso, Tex.....	69	7	.....	.21	.....	.21
Phoenix, Ariz.....	76	0	.....	.18	.....	.18
Yuma, Ariz.....	81	.....	7	.06	.....	.06
Pacific Coast:						
Seattle, Wash.....	56	.....	2	.52	.38	.....
Tacoma, Wash.....	54	0	.....	.63	.47	.....
Portland, Oreg.....	58	.....	4	.59	.91	.....
Roseburg, Oreg.....	59	.....	3	.39	.71	.....
Eureka, Cal.....	54	2	.....	.41	2.09	.....
Red Bluff, Cal.....	71	.....	9	.21	.29	.....
Carson City, Nev.....	55	.....	3	.07	.33	.....
Sacramento, Cal.....	68	.....	6	.13	.17	.....
San Francisco, Cal.....	61	.....	3	.14	.....	.04
Fresno, Cal.....	74	.....	10	.07	.53	.....
San Luis Obispo, Cal.....	63	1	.....	.10	.00	.....
Los Angeles, Cal.....	67	.....	1	.07	.....	.07
San Diego, Cal.....	66	.....	2	.00	.00	.....

a The figures in this column represent the average daily departure.

MORTALITY STATISTICS OF 1,190 CITIES AND TOWNS OF THE UNITED STATES FOR THE YEAR ENDED DECEMBER 31, 1900.

[This table was compiled from answers received to circular letters sent to cities and towns of the United States having a population of 1,000 or more. The cities and towns responding have been entered herein. Attention is called to the two columns showing the annual mortality rate per 1,000 of the population, the one column being based on the estimated population and the other upon the population according to the United States Census of 1900.]

Cities or towns.	Total deaths from all causes.	Population, U. S. census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membr. croup.	Whooping cough.
Grand total.....	361,779	20,712,608	17.47	21,433,168	16.87	36,240	648	7,007	2,850	2,237	9,698	2,539
Alabama:												
Total.....	416	27,278	15.25	36,937	11.24	52	5	12	3	2	3	4
Anniston.....	113	9,695	11.65	10,000	11.30	15	1	8				1
Attala.....	9	1,692	5.32	1,810	4.30							
Bessemer.....	174	6,358	27.37	15,000	11.60	5		3	3	2	2	1
Evergreen.....	8	1,277	6.26	1,037	7.71	2						
Greenville.....	55	3,162	17.39	3,000	18.33							
Tuscaloosa.....	57	5,094	11.19	6,090	9.36	30	4	1			1	2
Arizona:												
Total.....	422	13,075	32.28	27,000	15.63	172	2	9	12	3	5	
Phoenix.....	165	5,544	29.76	17,000	9.70	100		7	8	1	1	
Tucson.....	257	7,531	34.12	10,000	25.70	72	2	2	4	2	4	
Arkansas:												
Total.....	288	20,346	14.16	26,500	10.87	35	3	16	1	10	5	
Conway.....	38	2,003	18.97	2,500	15.20	9	1	3				
Dardanelle.....	14	1,602	8.74	2,000	7.00	3		3			2	
Eureka Springs.....	21	3,572	5.88	4,000	5.25	1						
Fort Smith.....	203	11,587	17.52	16,000	12.69	22		7	1	10	3	
Malvern.....	12	1,582	7.59	2,000	6.00		2	3				
California:												
Total.....	11,352	643,837	17.63	675,221	16.81	2,000	4	191	37	27	143	76
Anahelm.....	24	1,456	16.48	2,500	9.06	8						
Colton.....	20	1,339	15.27	2,000	10.00			2	1	1	3	1
Eureka.....	107	7,327	14.60	7,500	14.27	7					1	
Los Angeles.....	1,644	102,479	16.04	102,479	16.04	333		43	6	6	29	22
National City.....	10	1,086	9.20	1,000	10.00			1				
Nevada.....	41	3,250	12.61	3,280	12.50							
Oakland.....	959	66,990	14.32	75,000	12.78	116		13	1	5	7	2
Pacific Grove.....	6	1,411	4.25	1,500	4.00							
Pomona.....	118	5,526	21.35	6,000	19.67	35		2	2		1	1
Redlands.....	89	4,797	18.55	5,000	17.80	34		3			3	
Riverside.....	90	7,973	11.28	8,000	11.25	18		3			1	
Sacramento.....	404	29,282	13.80	30,000	13.47	72		13			2	
San Diego.....	272	17,700	15.37	20,000	13.60	35			6		1	
San Francisco.....	6,915	342,782	20.17	360,000	19.19	1,156	4	104	20	15	85	50

Monthly statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and mem. group.	Whooping cough.
California—Continued.												
San José.....	308	21,500	14.33	22,000	14.00	66	.....	2	1	.....	7	.....
Stockton.....	191	17,506	10.91	17,500	10.91	33	.....	.....	.....	.....	2	.....
Vallejo.....	100	7,965	12.55	7,965	12.55	10	.....	1	.....	.....	1	.....
Watsonville.....	54	3,528	15.31	3,500	15.43	19	.....	.....	.....	.....	.....	.....
Colorado:												
Total.....	465	18,382	25.29	20,300	22.36	20	.....	7	.....	9	11	4
Canyon City.....	64	3,775	16.95	5,000	12.80	12	.....	1	.....	1	3	.....
Golden City.....	36	2,152	16.26	2,300	15.65	1	.....	.....	.....	1	.....	.....
Leadville.....	365	12,455	29.31	13,000	28.08	7	.....	6	.....	7	8	4
Connecticut:												
Total.....	5,480	307,432	17.83	300,912	17.68	508	.....	71	47	26	63	32
Ansonia.....	249	12,681	19.63	12,681	19.63	20	.....	3	6	2	3	8
Berlin.....	50	3,448	14.50	3,450	14.49	2	.....	1	.....	1	2	.....
Bethel.....	32	2,561	12.50	3,327	9.63	1	.....	1	.....	.....	3	2
Branford.....	102	5,706	17.88	5,725	17.81	8	.....	2	.....	.....	.....	.....
Bridgeport.....	1,200	70,996	17.75	72,000	17.50	143	.....	8	21	8	20	.....
Brooklyn.....	33	2,358	13.99	2,400	13.75	1	.....	4	1	.....	.....	.....
Burlington.....	21	1,218	17.24	1,200	17.50	.....	.....	.....	.....	.....	.....	.....
Canton.....	50	2,678	18.67	3,000	16.67	7	.....	2	2	.....	.....	.....
Cheshire.....	31	1,989	15.58	2,000	15.50	2	.....	.....	.....	.....	.....	.....
Chester.....	12	1,328	9.04	1,328	9.04	1	.....	.....	.....	.....	.....	.....
Coventry.....	20	1,632	12.25	1,632	12.25	3	.....	.....	.....	.....	.....	.....
Darien.....	82	3,116	26.32	3,000	27.33	.....	.....	1	.....	.....	.....	.....
East Haddam.....	47	2,485	18.91	2,485	18.91	5	.....	.....	1	.....	.....	.....
East Windsor.....	49	3,158	15.51	3,000	16.33	2	.....	1	4	.....	.....	.....
Fairfield.....	71	4,489	15.82	4,500	15.77	4	.....	.....	.....	.....	.....	.....
Farmington.....	54	3,331	16.21	3,300	16.36	3	.....	.....	.....	.....	1	.....
Granby.....	29	1,299	22.33	1,250	23.20	1	.....	1	.....	.....	1	.....
Griswold.....	54	3,490	15.47	3,400	15.88	3	.....	.....	1	.....	.....	.....
Guilford.....	45	2,785	16.16	2,785	16.16	2	.....	.....	.....	.....	.....	.....
Hebron.....	18	1,016	17.73	1,016	17.73	4	.....	.....	.....	.....	.....	.....
Litchfield.....	48	3,214	14.93	3,500	13.71	3	.....	1	1	.....	1	.....
Madison.....	22	1,518	14.49	1,650	13.33	.....	.....	1	.....	.....	.....	.....
Mansfield.....	46	1,827	24.63	1,900	24.21	.....	.....	.....	.....	.....	.....	.....
Milford.....	77	3,783	2.35	3,800	20.26	6	.....	.....	.....	1	.....	.....
Montville.....	41	2,385	17.12	2,365	17.34	3	.....	.....	.....	.....	1	.....
New Haven.....	1,963	108,027	18.71	108,027	18.71	202	.....	26	.....	6	18	21
Norfolk.....	36	1,614	22.30	1,614	22.30	.....	.....	1	.....	.....	.....	.....
North Canaan.....	38	1,803	21.08	1,803	21.08	1	.....	.....	3	.....	1	.....
North Stonington.....	37	1,240	29.84	1,250	29.60	4	.....	.....	.....	.....	2	.....
Old Lyme.....	23	1,180	19.49	1,180	19.49	2	.....	2	1	1	.....	.....
Old Saybrook.....	25	1,431	17.47	1,500	16.67	.....	.....	.....	.....	.....	.....	.....
Redding.....	24	1,426	16.83	1,400	17.14	1	.....	1	.....	.....	.....	.....
Rocky Hill.....	24	1,026	23.39	1,038	23.12	.....	.....	1	.....	.....	2	.....
Sharon.....	49	1,982	24.72	1,980	24.75	2	.....	1	2	.....	.....	.....
Southbury.....	29	1,238	23.43	1,200	24.17	4	.....	2	.....	.....	.....	.....
Stonington.....	142	8,540	16.63	8,500	16.70	17	.....	3	.....	.....	.....	.....
Stratford.....	62	3,657	16.95	3,760	16.49	3	.....	.....	1	.....	.....	.....
Trumbull.....	25	1,587	15.75	1,575	15.87	1	.....	.....	1	.....	.....	.....
Vernon.....	140	8,483	16.50	8,500	16.47	20	.....	1	1	2	.....	.....
Washington.....	23	1,820	12.66	1,831	12.56	2	.....	.....	1	.....	.....	1
Watertown.....	42	3,100	13.55	3,100	13.55	3	.....	2	.....	.....	.....	.....
Westport.....	58	4,017	14.44	4,200	13.81	4	.....	.....	.....	.....	.....	.....
Winchester.....	126	7,763	16.23	7,763	16.23	16	.....	3	1	4	3	.....
Windsor Locks.....	71	2,997	23.69	2,997	23.69	2	.....	.....	.....	1	5	.....
District of Columbia:												
Washington.....	6,058	278,718	21.71	278,718	21.74	807	4	224	46	8	118	92
Florida:												
Total.....	248	13,051	19.00	17,100	14.50	16	1	4	.....	1	4	.....
Apalachicola.....	48	3,077	15.60	3,500	13.71	2	1	.....	.....	.....	1	.....
Kissimmee.....	12	1,132	10.60	1,600	7.50	1	.....	.....	.....	.....	.....	.....
Ocala.....	68	3,880	20.12	4,000	17.00	.....	.....	.....	.....	.....	.....	.....

a Thirty-seven deaths occurred at the soldiers' home.

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membr. group.	Whooping cough.
Florida—Continued.												
Orlando.....	31	2,481	12.50	4,000	7.75	.....	.....	.....	.....	.....	.....	.....
Tallahassee.....	89	2,981	29.86	4,000	24.75	13	.....	4	.....	1	3	.....
Georgia:												
Total.....	3,615	171,037	21.14	181,594	19.91	480	9	81	17	11	24	19
Augusta.....	955	39,441	24.21	39,441	24.21	140	1	14	17	2	1	2
Athens.....	105	10,245	10.25	11,000	9.55	.....	.....	.....	.....	.....	.....	.....
Carrollton.....	60	1,998	30.03	2,500	24.00	3	.....	4	.....	1	.....	.....
Columbus.....	304	17,614	17.26	19,303	15.75	35	1	10	.....	1	3	1
Cordele.....	20	3,473	5.76	4,000	5.00	3	4	5	.....	.....	.....	.....
Dalton.....	56	4,315	12.75	5,000	11.20	.....	.....	.....	.....	.....	.....	.....
Fort Gaines.....	14	1,305	10.72	1,350	10.37	.....	.....	.....	.....	.....	1	2
Gainesville.....	79	4,382	18.03	5,100	15.49	5	.....	9	.....	5	2	.....
Macon.....	464	23,272	19.94	28,000	16.57	73	.....	8	.....	.....	5	3
Rome.....	91	7,291	12.48	7,500	12.13	5	1	5	.....	.....	5	.....
Roswell.....	11	1,329	8.20	1,400	7.86	1	.....	2	.....	.....	.....	.....
Savannah.....	1,426	54,244	26.29	55,000	25.90	208	2	16	.....	2	5	11
Tallahassee.....	30	2,128	14.10	2,000	15.00	7	.....	8	.....	.....	2	.....
Illinois:												
Total.....	28,565	1,975,127	14.47	1,990,735	14.35	2,924	3	464	207	260	886	300
Augusta.....	21	1,149	18.28	1,149	18.28	.....	.....	.....	.....	.....	.....	.....
Blue Island.....	40	6,114	6.54	7,000	5.56	2	.....	1	.....	.....	1	.....
Braceville.....	10	1,669	5.99	2,000	5.00	.....	.....	.....	.....	.....	.....	1
Bunker Hill.....	19	1,279	14.86	1,300	14.62	.....	.....	.....	.....	.....	.....	.....
Carlyle.....	100	1,874	53.31	2,600	38.46	.....	.....	30	4	19	39	.....
Carrollton.....	32	2,355	13.59	3,200	10.00	12	.....	6	.....	3	6	.....
Centralia.....	103	6,721	15.33	7,000	14.76	.....	.....	.....	.....	.....	.....	.....
Chicago.....	24,941	1,698,575	14.68	1,698,575	14.68	2,599	2	357	194	226	797	286
Colchester.....	25	1,635	15.29	1,635	15.29	.....	.....	.....	.....	.....	.....	.....
Delavan.....	17	1,304	13.81	1,304	13.80	1	.....	2	.....	1	.....	.....
East St. Louis.....	225	29,655	7.59	30,000	7.50	3	.....	7	.....	.....	.....	.....
Elgin.....	248	22,433	11.06	23,000	10.78	29	.....	9	1	1	3	1
Elmhurst.....	19	1,728	11.00	1,850	10.27	.....	.....	.....	.....	.....	.....	.....
Forreston.....	19	1,047	18.13	1,200	15.83	.....	.....	.....	.....	.....	.....	.....
Galesburg.....	250	18,607	13.92	18,607	13.92	5	.....	12	7	1	2	.....
Girard.....	40	1,661	24.08	1,700	23.53	.....	.....	.....	.....	.....	.....	.....
Griggsville.....	20	1,401	14.25	1,400	11.29	.....	.....	.....	.....	.....	.....	.....
Harrisburg.....	14	2,202	6.37	2,100	6.67	2	.....	.....	.....	.....	.....	.....
Harvard.....	46	2,602	17.68	2,836	16.22	3	.....	2	.....	.....	6	.....
Highland.....	70	1,970	35.53	1,900	36.84	.....	.....	.....	.....	.....	.....	.....
Kansas.....	9	1,019	8.58	2,500	3.60	1	.....	.....	.....	.....	.....	.....
Kewanee.....	121	8,382	14.44	10,000	12.10	9	.....	3	.....	.....	.....	1
Laharpe.....	20	1,591	12.51	1,800	11.11	.....	.....	2	.....	.....	.....	.....
Lebanon.....	48	1,812	26.49	1,812	26.49	24	.....	.....	.....	.....	.....	.....
Marseilles.....	40	2,550	15.63	2,600	15.39	3	.....	3	.....	.....	.....	.....
Mascoutah.....	51	2,171	23.49	2,500	20.40	.....	.....	1	.....	.....	.....	.....
Mattoon.....	137	9,622	14.24	10,000	13.70	17	.....	2	.....	.....	3	3
Minonk.....	42	2,545	16.50	3,500	12.00	5	.....	.....	.....	.....	1	1
Monmouth.....	83	7,460	11.13	7,400	11.22	7	.....	2	.....	.....	.....	.....
Morgan Park.....	21	2,329	9.02	2,200	9.55	3	.....	.....	.....	.....	.....	.....
Mount Sterling.....	28	1,960	14.37	2,000	14.00	2	.....	1	.....	.....	.....	.....
Nauvoo.....	16	1,321	12.11	1,372	11.66	3	.....	1	.....	.....	1	.....
Normal.....	40	3,795	10.54	4,000	10.00	1	.....	3	.....	.....	.....	.....
Ottawa.....	140	10,588	13.22	11,000	12.73	15	.....	3	.....	.....	2	.....
Peoria.....	672	56,100	11.98	60,000	11.20	73	.....	17	1	8	1	2
Pontiac.....	44	4,266	10.31	4,500	9.78	2	.....	3	.....	.....	.....	1
Red Bud.....	8	1,169	6.81	1,400	5.71	.....	.....	.....	.....	.....	.....	.....
Rushville.....	23	2,292	10.03	2,290	10.04	5	.....	1	.....	.....	.....	.....
Shelbyville.....	41	3,546	11.56	3,600	11.39	9	.....	2	.....	.....	3	2
Springfield.....	561	34,159	16.42	35,159	15.96	78	.....	12	.....	1	19	2
Spring Valley.....	104	6,214	16.74	6,214	16.74	2	1	2	.....	.....	.....	.....
Winchester.....	24	1,711	14.03	1,732	13.86	4	.....	.....	.....	.....	3	.....
Woodstock.....	24	2,502	9.57	2,800	8.57	5	.....	.....	.....	.....	4	.....
Indiana:												
Total.....	5,349	351,564	15.21	368,790	14.50	527	2	187	21	28	174	32
Albion.....	17	1,324	12.84	1,324	12.85	2	.....	2	1	.....	.....	.....
Anderson.....	283	20,178	14.04	23,000	12.30	44	1	11	2	2	4	.....
Argos.....	14	1,307	10.71	1,327	10.70	2	.....	.....	.....	.....	.....	.....

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and mem. group.	Whooping cough.
Indiana—Continued.												
Attica.....	41	3,005	13.64	3,000	13.67	7						
Auburn.....	44	3,396	12.96	3,500	12.58	5		1	2			
Aurora.....	51	3,645	13.99	3,645	13.99	5		1		1	2	
Batesville.....	15	1,384	10.84	2,000	7.50	4		1		1	1	
Bloomfield.....	19	1,588	11.96	1,588	11.96							
Boonville.....	59	2,849	20.71	3,000	19.67	4		2				1
Bourbon.....	27	1,187	22.75	2,850	9.47	4		2	1	2	1	1
Bremen.....	23	1,671	13.76	1,700	13.53					1	1	
Brookville.....	32	2,037	15.71	2,037	15.71	3		2			1	
Brownstown.....	35	1,685	20.77	1,700	20.59	7		1			1	
Cambridge.....	34	1,754	19.38	1,754	19.38	4				1	1	
Columbus.....	148	8,130	18.20	8,000	18.50	18		8		1		
Connersville.....	98	6,836	14.34	7,000	14.00	9		1			10	
Covington.....	24	2,213	10.85	2,250	10.67	1		2				
Danville.....	30	1,802	16.65	1,800	16.67	6					2	2
Decatur.....	72	4,142	17.38	4,600	15.65	13		1		1	3	
East Chicago.....	24	3,411	7.04	4,000	6.00	1					1	1
Edinburg.....	36	1,820	19.78	1,820	19.78	4		2				
Elwood.....	288	12,950	22.24	12,992	22.17	20		12		1	7	6
Evansville.....	872	59,007	14.78	60,000	14.53	114		25	4		9	2
Garrett.....	46	3,910	11.76	3,910	11.76	4		3			1	1
Greencastle.....	47	3,661	12.81	3,661	12.81	3					3	
Greensburg.....	87	5,034	17.28	5,300	16.41	10		7			1	
Hartford.....	58	5,912	9.84	7,000	8.29	3		2			1	
Huntington.....	210	9,491	22.13	10,000	21.00	24		19		1	16	
Jasper.....	34	1,863	18.25	1,900	17.89	3		1			4	
Kokomo.....	37	10,609	3.49	10,619	3.48	22		8			4	3
Laporte.....	72	7,113	10.12	10,000	7.20	15		2		4	3	
Ligonier.....	37	2,231	16.58	2,500	14.80			2	1			
Martinsville.....	74	4,038	18.33	4,038	18.33	4		5		1		3
Michigan City.....	228	14,850	15.35	14,850	15.35	1		5	1	2	3	
Monticello.....	17	2,107	8.08	2,100	8.10	2		1		1		
Mount Vernon.....	74	5,132	14.42	5,132	14.42	18	1	6		1	1	
Muncie.....	272	20,942	12.99	20,752	13.04	36		12	7	1	12	5
Nappanee.....	15	2,208	6.79	2,400	6.21	3						
New Albany.....	371	20,628	17.98	20,628	17.98	39		13			8	
New Castle.....	53	2,406	22.03	3,500	15.14	6		1		1	2	
Noblesville.....	168	4,792	35.05	6,000	18.00	10		2		4	1	1
Rising Sun.....	4	1,548	2.58	1,600	2.50	3		1				
Rochester.....	44	3,421	12.86	3,500	12.57	6						
Rushville.....	71	4,541	9.69	4,541	9.69	17		1				
South Bend.....	575	35,999	15.97	35,999	15.97	65		11	1		59	2
Spencer.....	24	2,026	11.85	2,026	11.85	5		3			1	
Thorntown.....	15	1,511	9.93	2,100	7.14	2		3				
Tipton.....	63	3,764	16.74	3,764	16.74	7						
Vevay.....	36	1,588	22.67	1,600	22.50	11					1	
Warsaw.....	34	3,987	8.53	3,987	8.53	3		1		3	3	
Washington.....	130	8,551	15.29	8,551	15.29	12		7	1	1	8	3
Waterloo.....	47	1,244	37.78	1,400	33.57	6						
Whiting.....	56	3,983	14.06	5,000	11.20	1		3			1	
Winchester.....	41	3,705	11.07	3,705	11.07	4		2				
Worthington.....	23	1,448	15.88	1,800	12.78	5						
Iowa:												
Total.....	2,572	230,222	11.17	253,617	10.14	291	9	84	4	7	36	10
Bedford.....	8	1,977	4.05	2,000	4.00	1		1				
Bellevue.....	16	1,607	9.96	1,600	10.00			1				
Boone.....	89	8,880	10.00	10,000	8.10	15						
Clarinda.....	57	3,276	17.40	3,500	16.29	10	4	4	1			
Clear Lake.....	4	1,706	2.34	1,706	2.34	2						
Clinton.....	219	22,698	9.66	24,000	9.13	17		10			14	1
Davenport.....	470	35,254	13.33	35,254	13.33	40		18		1	3	
Decorah.....	13	3,245	4.00	3,500	3.71	2						
Denison.....	22	2,771	7.91	2,773	7.93			2				
Des Moines.....	674	62,139	10.85	75,000	8.99	80		6		4	6	
Fairfield.....	52	4,659	11.09	4,861	10.61	7						
Fort Madison.....	106	9,278	11.42	9,287	11.41	10		6				1
Hamburg.....	29	2,079	13.95	2,250	12.89	4		1				
Iowa City.....	100	7,987	12.52	11,000	9.09	11					4	
Marion.....	6	4,102	1.46	4,000	1.50	2		4				

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

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						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membr. croup.	Whooping cough.
Iowa—Continued.												
Mason.....	94	6,746	13.93	8,000	11.75	8	5	5				
Montezuma.....	14	1,210	11.57	1,250	11.20	3						
Mount Ayr.....	15	1,729	8.68	1,765	8.50			2				1
Odebolt.....	10	1,432	6.98	1,434	6.97	2						
Oskaloosa.....	91	9,212	9.84	9,212	9.88	20	3	1			2	1
Ottumwa.....	243	18,197	13.35	20,000	12.15	31	9					6
Red Oaks.....	40	4,355	9.18	4,500	8.89	3	2				5	
Sanborn.....	20	1,247	16.04	1,250	16.00	1		1				
Seymour.....	10	1,703	5.81	1,703	5.81							
Sheldon.....	6	2,282	2.63	2,300	2.60			1			1	
Sibley.....	17	1,289	13.19	1,500	11.33	4	1					
Tama.....	45	2,649	15.99	3,000	15.00	6	4	2			1	
Villisca.....	30	2,211	13.57	2,300	13.04	2		1				
Wilton.....	24	1,233	19.46	1,233	19.46	3						
Winterset.....	48	3,039	15.71	3,439	13.96	7		2				
Kansas:												
Total.....	1,483	118,981	12.46	123,834	11.98	147	14	30	6	5	33	23
Anthony.....	17	1,179	14.42	1,030	16.50			1				
Arkansas City.....	65	6,140	10.59	7,000	9.29	7	2	2				
Baxter Springs.....	40	1,641	24.38	1,600	25.00	6					2	
Clyde.....	18	1,157	15.56	1,800	10.00							
Florence.....	6	1,178	5.09	1,245	4.82							1
Great Bend.....	50	2,470	20.24	2,500	20.00	4				1	5	
Herington.....	11	1,607	6.85	1,700	6.47	1		1			3	
Independence.....	15	4,851	3.30	5,274	2.84	2		2		2		
Larned.....	33	1,583	20.85	2,000	16.50							
Lawrence.....	173	10,862	15.92	12,000	14.42	16	1	3		1	14	5
Leavenworth.....	367	20,735	17.69	22,000	16.68	37	3			1	3	7
Newton.....	44	6,208	7.09	6,300	6.98	4		1	2		1	3
Osawatomie.....	25	4,191	5.97	4,191	5.97	2		1			1	
Oswego.....	28	2,208	12.68	2,224	12.59	10		2				
Ottawa.....	44	6,931	6.33	6,000	7.34	12		3				
Parsons.....	98	7,682	12.76	9,000	10.89	15	2	2	2		2	4
Sabetha.....	44	1,646	26.73	1,770	24.85							
Scranton.....	10	1,099	9.10	1,200	8.33							
Sterling.....	35	2,002	17.48	2,000	17.50							
Topeka.....	360	33,608	10.71	33,000	10.91	31	9	7	2		2	3
Kentucky:												
Total.....	4,880	300,962	16.21	309,882	15.75	374	11	162	19	8	64	41
Carlisle.....	23	1,377	16.70	1,377	16.70	1		4				
Carrollton.....	17	2,205	7.71	2,205	7.71	3					2	
Covington.....	721	42,938	16.79	46,000	15.68	94	3	9		2	8	3
Dayton.....	85	6,104	13.93	7,000	12.14	5		3		2	1	
Franklin.....	56	2,165	25.85	2,100	26.67	5					2	2
Glasgow.....	30	2,019	14.86	3,000	10.00	10					1	2
Hickman.....	33	1,589	22.03	2,500	14.00	6	2	3	1			2
Lexington.....	494	26,369	18.73	26,939	18.73	71		16	2	1		
Louisville.....	3,280	204,731	16.02	204,731	16.02	160	2	118	11	3	36	27
Ludlow.....	43	3,334	12.90	4,300	10.00	4		4			4	2
Nicholasville.....	25	2,393	10.45	2,300	10.87	5						
Russellville.....	14	2,591	5.40	3,500	4.00	3	4	3			4	
Stanford.....	47	1,651	28.47	2,000	23.50	5		1	2			2
Williamsburg.....	10	1,495	6.69	2,500	4.00	2		1	3		4	
Louisiana:												
Total.....	7,540	295,446	25.52	309,300	24.38	847	165	118	57	22	33	9
Donaldsonville.....	60	4,105	14.61	4,300	13.95	2	10	2		2		1
Jeannerette.....	15	1,905	7.87	2,500	6.00	2	1	1				
Morgan City.....	41	2,332	17.58	2,500	16.40	5	6	1		1	2	
New Orleans.....	7,424	287,104	25.86	300,000	24.75	838	418	114	57	19	31	8

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

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						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membr. croup.	Whooping cough.
Maine:												
Total.....	4,863	271,166	17.53	282,162	17.23	373	2	94	22	8	42	28
Addison.....	14	1,059	13.22	1,059	13.22							
Anson.....	37	1,830	20.21	1,820	20.33	5			1			
Auburn.....	160	12,951	12.36	13,000	12.31	8						
Bangor.....	341	21,850	15.61	25,000	13.64			7		1		
Benton.....	19	1,097	17.20	1,136	16.72	1			2			3
Bethel.....	24	1,835	13.08	1,850	12.97			1				
Berwick.....	41	2,280	17.98	2,300	17.83	5		2		1		
Biddeford.....	375	16,145	23.23	17,000	22.01	25		13		1	3	1
Boothbay.....	25	1,766	14.16	1,750	14.29							
Boothbay Harbor.....	28	1,926	14.58	1,800	15.56	3						
Bowdoinham.....	24	1,305	18.39	1,305	18.39	7			1			1
Bristol.....	37	2,572	14.39	2,572	14.39	1		1				
Brownville.....	17	1,570	10.8	1,570	10.8	4		1		1		
Buckfield.....	17	1,139	14.92	1,200	14.17	1						
Bucksport.....	57	2,339	20.44	2,339	20.44	12						
Calais.....	157	7,655	20.51	8,000	19.63	13		2				
Camden.....	48	2,825	16.99	2,950	16.47	5					1	
Caribou.....	80	4,758	16.81	4,800	16.67	15		4	1			1
Chelsea.....	20	3,092	6.4	3,000	6.67	1						
Cumberland.....	30	1,404	21.36	1,400	21.43							
East Livermore.....	24	2,129	11.27	2,150	11.17						1	
Eastport.....	109	5,311	20.52	5,500	19.65	12					1	
Eden.....	50	4,379	11.42	4,375	11.43	5		3				
Farmington.....	66	3,288	20.07	3,300	20.00	6			1			
Fort Kent.....	40	2,528	15.82	2,800	14.28				1			2
Foxcroft.....	33	1,629	20.26	1,629	20.26				2			
Frenchville.....	5	1,316	3.04	2,000	2.50	1						
Gray.....	30	1,388	21.61	1,400	21.43							
Guilford.....	25	1,544	16.19	1,544	16.19	1						
Hallowell.....	48	2,714	17.69	3,180	15.09	11						
Harrington.....	17	1,165	14.59	1,165	14.59	1		1				
Hiram.....	18	1,015	17.73	1,015	17.73	5		2				
Hodgdon.....	8	1,130	7.08	1,185	6.75							
Houlton.....	38	4,686	8.11	4,680	8.12	3		2	1			
Keenebunk.....	41	3,228	12.76	3,272	12.53	1						
Litchfield.....	22	1,057	20.81	1,100	20.00			1				
Lubec.....	47	3,005	15.64	3,000	15.67			2				1
Machias.....	58	2,082	27.86	2,082	27.86	7			1			1
Machiasport.....	27	1,218	22.17	1,437	18.79			1				
Madison.....	27	1,850	15.68	2,764	9.77	3		3			1	
Monson.....	14	1,116	12.54	1,116	12.54	1						
Monticello.....	19	1,332	14.26	1,332	14.26							
Newport.....	32	1,533	20.87	1,600	20.00	3						
Norridgewock.....	28	1,495	18.06	1,495	18.06	1						
Norway.....	44	2,034	21.63	2,900	15.17	1					1	
Oakland.....	30	1,913	15.72	1,900	15.79	2			5			
Oldtown.....	104	5,763	18.05	6,000	16.67	1		4				
Orland.....	27	1,251	21.58	1,251	21.58	5		1	1			
Orono.....	46	3,257	14.12	3,400	13.53	6						
Paris.....	52	3,225	16.12	3,235	16.07	4		2			1	3
Parsonsfield.....	23	1,131	20.34	1,200	19.17	2						
Penobscot.....	14	1,156	12.11	1,313	10.66	2						
Phippsburg.....	22	1,254	17.54	1,400	15.71	1		1				
Pittsfield.....	18	2,208	8.15	2,600	6.92	6		1	2			
Portland.....	975	50,145	19.44	50,000	19.50	98	2	20			16	9
Saco.....	187	6,122	30.55	6,200	30.16	18		8			2	
St George.....	28	2,314	12.10	2,200	12.73	3		1				
Sandford.....	147	6,078	24.19	6,000	24.50	16		1		1	1	1
Saugerville.....	25	1,294	19.24	1,350	18.52	1		1	1		1	
Sidney.....	22	1,068	20.60	1,270	17.32	1						
South Berwick.....	70	3,188	21.95	3,500	20.00						6	
Sullivan.....	25	1,034	19.31	1,030	19.42	3						
Thomaston.....	52	2,688	19.35	2,750	19.27	3						
Topsham.....	27	2,097	12.88	2,200	12.27					2	1	
Turner.....	44	1,842	23.89	2,000	22.00	3		1	1		2	
Union.....	22	1,248	17.47	1,500	14.67	3						
Waldoboro.....	55	3,145	17.49	3,300	16.67	2						

a The estimated population includes the National Soldiers' Home, but the deaths from that institution are not included.

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membranous croup.	Whooping cough.
Maine—Continued.												
Washburn	14	1,225	11.43	1,225	11.43	3		2				
Waterboro	32	1,169	27.37	1,352	23.67							
Waterville	158	9,477	16.67	10,000	15.80	3		1			2	
Whitefield	30	1,156	26.82	1,200	25.00	4		1		1		1
Windham	38	1,929	19.70	1,932	19.67	3						
Winslow	44	2,277	19.22	2,277	19.22	7			1			2
Yarmouth	69	3,274	30.43	3,300	30.00	4		1				
York	47	2,668	17.62	2,600	18.08			1				
Maryland:												
Total	11,474	552,655	20.76	585,966	19.58	1,150		218	28	23	293	51
Annapolis	196	8,402	23.33	8,100	24.19	27		1	2		1	4
Baltimore	10,700	508,957	21.02	541,000	19.78	1,056		189	24	20	279	47
Elkton	43	2,542	16.92	2,542	16.92	10		1				
Frederick	170	9,296	18.28	9,800	17.34	13		3	2		3	
Frostburg	62	5,274	11.76	5,274	11.76	3		6				
Hagerstown	192	13,591	14.13	14,000	13.71	29		5			3	
Havre de Grace	51	3,423	14.90	3,450	14.78	4		2			1	
Oakland	60	1,170	51.28	1,800	33.34	8		11		3	6	
Massachusetts:												
Total	40,581	2,174,706	18.66	2,177,627	18.63	3,943	2	477	285	336	1,161	343
Agawam	56	2,536	20.08	2,500	22.40	3					1	2
Amesbury	143	9,473	15.10	10,000	14.30	23		5	1		1	1
Arlington	145	8,603	16.85	8,600	16.86	9				1	3	2
Ashland	33	1,525	21.64	1,525	21.64	4		1			1	
Avon	31	1,741	17.80	1,741	17.80	12		1			5	
Barnstable	99	4,364	22.69	4,365	22.68						1	
Barnes	50	2,069	24.24	2,059	24.24				2		2	1
Bedford	17	1,208	14.07	1,200	14.17	5						
Belchertown	54	2,292	23.56	2,300	23.48	4		1	3			
Bellingham	31	1,682	18.43	1,500	20.67	10					1	
Belmont	a 52	3,929	13.23	3,900	13.33						1	1
Billerica	51	2,775	18.38	2,800	18.21	8		2				
Boston	11,678	560,892	20.82	560,892	20.82	1,407		142	88	181	537	99
Braintree	99	5,981	16.5	6,000	16.50	10		3			1	
Bridgewater	78	5,806	13.43	5,800	13.45	9		1				
Brookfield	44	3,062	14.37	3,260	13.50	3		2				
Buckland	18	1,446	12.45	1,800	10.00						1	
Cambridge	1,547	91,886	16.84	91,886	16.84	207		15		9	72	12
Canton	86	4,584	18.74	4,636	18.55							
Charlton	44	1,860	23.66	1,860	23.66							
Chatham	36	1,749	20.58	1,700	21.18	1		1				
Chelmsford	78	3,984	19.58	3,984	19.58	11						2
Chelsea	651	34,072	19.11	34,172	19.05	33		7	1		29	6
Chicopee	398	19,167	20.76	19,167	20.76	25	1	5	2		3	1
Clinton	202	13,667	14.86	13,000	15.61	19		1	2		4	7
Concord	56	5,652	9.91	5,652	9.91	13					2	
Conway	29	1,458	19.89	1,500	19.33	3					2	
Cottage City	19	1,100	17.27	1,000	19.00			1				
Dalton	82	3,014	27.20	3,014	27.20							
Danvers	108	8,542	12.64	8,600	12.56	15		1			3	
Dartmouth	74	3,669	20.17	3,107	23.82	4		1			3	
Deerfield	15	1,969	7.62	1,970	7.61							
Dennis	66	2,333	28.29	2,500	26.40							
Douglass	52	2,113	24.61	2,275	22.86	4		9			1	
Dracut	58	3,253	17.83	3,200	18.13	12		2		1		
Duxbury	31	2,075	14.94	2,000	15.50	1		2				
East Bridgewater	58	3,025	19.17	3,000	19.33	3						
Easthampton	97	5,603	17.21	6,000	16.17	12		2	1	1	4	
Edgartown	21	1,209	17.37	1,200	17.50	3						
Essex	30	1,663	18.04	1,663	18.04						1	
Everett	367	24,336	15.08	24,336	15.08	28		4		3	19	5
Fairhaven	67	3,567	18.78	3,567	18.78							
Fall River	2,206	104,863	21.04	106,000	20.81	168	1	15	10	20	24	12
Fitchburg	469	31,531	14.87	31,531	14.87	29		7	1	3	12	
Franklin	109	5,017	21.73	5,800	18.79	8				3	1	

a 13 deaths were of nonresidents.

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membr. croup.	Whooping cough.
Massachusetts—Cont'd.												
Freetown.....	26	1,394	18.65	1,400	18.57	1						
Georgetown.....	43	1,900	22.63	1,900	22.63				1			
Granville.....	25	1,050	23.81	1,000	25.00	1		2				
Greenfield.....	112	7,927	14.13	7,923	14.14	12		1			1	1
Groton.....	40	2,052	19.49	2,052	19.49	2						
Groveand.....	6	2,376	25.25	2,333	25.72	6						
Hanover.....	38	2,152	18.12	2,200	17.27							
Hanson.....	24	1,455	16.49	1,485	16.16							
Hardwick.....	59	3,203	18.42	3,203	18.42	5						
Harvard.....	18	1,131	15.80	1,160	15.52	1						
Harwich.....	52	2,334	22.28	2,500	20.80	3		1			2	
Hatfield.....	26	1,500	17.33	1,500	17.33	1						
Haverhill.....	565	37,175	15.20	37,175	15.20	66		6			1	11
Hingham.....	91	5,059	17.99	4,960	18.35	7					1	1
Holden.....	50	2,464	20.29	2,500	20.00	2		1			2	
Holliston.....	44	2,598	16.94	2,600	16.92	7						
Holyoke.....	971	45,712	21.24	45,712	21.24	67		9	23	6	63	2
Hubbardston.....	39	1,227	31.78	1,250	31.20	5			1			
Ipswich.....	89	4,658	19.11	4,720	18.85			3				
Lawrence.....	1,250	62,559	19.94	62,559	19.98	114		11	20	7	33	6
Lee.....	80	3,596	22.25	3,596	22.25	3						
Lenox.....	33	2,942	11.22	2,940	11.22	4		2				
Leominster.....	180	12,392	14.53	12,320	14.63	17		2			7	
Lexington.....	65	3,831	16.97	3,850	16.88					1		
Lowell.....	1,849	94,969	19.47	94,969	19.47	186		17	1		27	1
Ludlow.....	81	3,536	22.91	3,600	22.50	3		2	1			
Lunenburg.....	22	1,332	16.52	1,334	16.42							
Lynn.....	1,096	68,513	15.85	68,513	15.85	110		13	1	2	22	10
Malden.....	493	33,664	14.64	33,664	14.64	55		7		4	17	3
Manchester.....	43	2,522	17.05	2,522	17.05	3		1			3	
Marlboro.....	207	13,609	15.21	13,609	15.21	22						
Marblehead.....	150	7,562	19.78	7,500	20.00			2			2	
Mattapoisett.....	19	1,061	17.81	1,100	17.27	1						
Maynard.....	39	3,142	12.41	3,100	12.58	6						
Medfield.....	71	2,926	24.27	3,000	23.67	2						
Medford.....	244	18,244	13.37	18,244	13.37	13		3	2		10	5
Medway.....	43	2,761	15.57	2,800	15.36	4			1	2		
Merrimac.....	34	2,131	15.95	2,135	15.93	2						
Methuen.....	145	7,512	19.30	7,511	19.31	4					6	1
Milton.....	95	6,578	14.44	6,578	14.44	9		1				
Monson.....	72	3,402	21.16	3,300	21.82	4					1	
Natick.....	124	9,488	13.07	9,500	13.05	16		3			4	1
Needham.....	50	4,016	12.45	4,016	12.45	2						
New Bedford.....	1,285	62,442	20.58	62,000	20.78	100		22	6	14	5	6
Newburyport.....	302	14,478	20.86	15,000	20.13	16		6	1			2
New Marlboro.....	26	1,282	20.28	1,200	21.67	2						
North Adams.....	345	24,200	14.26	24,200	14.26	33		4	1	2	2	2
Northampton.....	370	18,643	19.85	18,600	19.89	37		8	1	4	6	1
North Andover.....	50	4,243	11.78	4,243	11.78	4		1				
North Attleboro.....	106	7,253	14.61	7,600	13.95	9			1		3	
Northboro.....	39	2,164	18.02	2,164	18.02			i	2			
North Brookfield.....	79	4,587	17.22	4,600	17.17	12					2	
Northfield.....	25	1,966	12.72	1,851	13.52	1						
Norwood.....	79	5,480	14.41	5,500	14.36	6					1	3
Orange.....	97	5,520	17.27	5,700	17.02	11		4				
Orleans.....	21	1,123	18.70	1,125	18.67						1	
Palmer.....	178	7,801	22.81	7,801	22.81	12		3		2	9	
Plymouth.....	184	9,592	19.17	9,482	18.49	15		1		1	3	3
Quincy.....	345	23,896	11.44	23,899	11.44	40		4	1			2
Randolph.....	78	3,993	19.53	4,000	19.50	5		4			2	
Reading.....	99	4,969	19.92	4,965	19.94							
Rehoboth.....	34	1,840	18.48	1,835	18.51	6			1	1		
Revere.....	140	10,395	13.47	10,385	13.47	18		1	3	1	7	2
Rockland.....	81	5,327	15.21	5,600	14.46	20						
Salem.....	704	35,956	19.58	35,956	19.58	38		7	1	4	24	10
Salisbury.....	24	1,558	15.40	1,558	15.40							
Sandwich.....	29	1,448	20.03	1,440	20.14	1						
Seekonk.....	41	1,673	24.51	1,672	24.52	1						
Sharou.....	36	2,060	17.48	2,060	18.00	6						
Sherborn.....	25	1,483	16.86	1,453	17.20	2						

a Including persons in an insane asylum.

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membr. croup.	Whooping cough.
Massachusetts—Cont'd.												
Shrewsbury.....	29	1,626	17.83	1,625	17.84	1	1					
Somerset.....	45	2,241	20.04	2,241	20.04			1	1			
Somerville.....	967	61,643	15.69	62,000	15.60	102	9			7		3
Southboro.....	31	1,921	16.14	2,200	14.09	1						
South Hadley.....	66	4,526	14.58	4,500	14.67	6					5	
Southampton.....	18	1,012	17.79	1,012	17.79	1						
Springfield.....	1,143	62,059	18.42	62,059	18.42	97		17	6	2	24	4
Stoneham.....	92	6,197	14.85	6,195	14.85	15	2			3		
Sudbury.....	18	1,150	15.69	1,150	15.69	2						
Taunton.....	655	31,036	21.10	31,036	21.10	68	8	7			3	1
Templeton.....	83	3,449	23.79	3,200	25.95							
Tewkesbury.....	53	3,683	14.39	2,450	21.63	3		1	1		3	
Tisbury.....	26	1,149	22.63	1,149	22.63	2						
Topsfield.....	20	1,030	19.42	1,033	19.36							
Townsend.....	33	1,804	18.29	1,800	18.33	6						
Walpole.....	49	3,572	13.71	3,600	13.61	3						
Waltham.....	384	23,481	16.35	23,481	16.35	39		5			25	1
Ware.....	172	8,263	20.82	8,263	20.82	7			11			6
Wareham.....	61	3,432	25.08	3,367	18.12	3						
Warren.....	85	4,417	19.24	4,500	18.89	3						
Watertown.....	142	9,706	14.63	9,706	14.63	10		5		1	5	1
Wayland.....	24	2,303	10.42	2,306	10.41	1						
Wellesley.....	61	5,072	12.03	5,000	12.20	6					1	1
Westboro.....	a 134	5,400	24.82	5,000	26.80	5		2				
West Boylston.....	30	2,314	12.96	2,400	12.50	4				1		
Westford.....	34	2,624	12.96	2,650	12.83							
Westminster.....	23	1,327	17.23	1,327	17.23	2			1			
West Newbury.....	25	1,558	16.05	1,558	16.05				1			
Westport.....	59	2,890	20.42	2,890	20.42	2		1				
West Springfield.....	120	7,105	16.89	7,000	17.14					2	2	
Williamsburg.....	30	1,926	15.58	1,950	15.38	3						
Woburn.....	250	14,254	17.54	14,254	17.54	29		1		1	6	1
Worcester.....	2,223	118,421	18.77	118,421	18.77	250		32	24	36	55	34
Yarmouth.....	47	1,682	27.94	1,600	29.75	1					2	
Michigan:												
Total.....	5,119	361,963	14.14	374,952	13.65	328	1	151	24	42	85	12
Adrian.....	159	9,654	16.47	9,700	16.39	15		6			2	
Albion.....	65	4,519	14.38	4,519	14.38	3					7	
Ann Arbor.....	b 200	14,509	13.78	16,000	12.50	23		4			1	
Battle Creek.....	270	18,563	14.49	18,500	14.60			9		3		1
Bay City.....	359	27,628	12.99	28,700	12.51	22		9	1	11	15	1
Belding.....	39	3,282	11.88	3,282	11.88	2					1	
Benton Harbor.....	68	6,562	10.35	6,000	11.33	5				1		
Bessemer.....	64	3,911	16.36	4,000	16.00	3		2				
Big Rapids.....	83	4,686	17.71	5,000	16.60	7		3	1			
Buchanan.....	20	1,708	11.71	1,800	11.11	2		2				
Charlevoix.....	35	2,079	16.83	2,500	14.00	3		1				
Cheboygan.....	91	6,489	14.02	7,000	13.00	3				1		
Clare.....	15	1,326	11.31	1,400	10.71	1						
Coldwater.....	88	6,216	14.16	6,216	14.16	7		3				
Constantine.....	23	1,226	18.76	1,200	19.17	4		1				
Corunna.....	24	1,510	15.89	1,250	19.20	2						
Dowagiac.....	77	4,151	18.55	4,500	17.11	3		2	8	1	4	2
Dundee.....	22	1,118	19.68	1,200	18.33							
Eaton Rapids.....	34	2,103	16.17	2,160	15.74	1		3				
Escanaba.....	217	9,549	22.72	10,000	21.70	10		11		2	11	
Evart.....	23	1,360	16.91	1,367	16.83	2						
Frankfort.....	23	1,465	15.70	1,800	12.78							
Fremont.....	14	1,831	10.52	1,400	10.00							
Gladstone.....	14	3,380	4.14	3,300	4.24	3		1			1	
Grand Haven.....	49	4,743	10.33	5,000	9.80	5			1			
Grand Ledge.....	22	2,161	10.18	2,300	9.57	2		1				
Harbor Springs.....	16	1,643	9.74	1,600	10.00	1		1				
Hartford.....	47	1,077	43.63	2,350	20.00	5		1	2		1	
Hillsdale.....	60	4,151	14.45	4,251	14.11	2		1				
Holland.....	109	7,790	13.99	8,000	13.63	8		1		1		1
Imlay.....	11	1,122	9.80	1,305	8.43							
Ionia.....	68	5,209	13.05	6,000	11.33	2						

a One-half of the deaths occurred in the insane hospital.
b Including deaths in hospitals.

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and mem. group.	Whooping cough.
Michigan—Continued.												
Ishpeming.....	178	13,255	13.43	14,000	13.14	8	1	10	2	6	6	2
Ithaca.....	13	2,020	6.44	2,020	6.44	1	1	2				
Jackson.....	328	25,180	13.03	25,180	13.03	21	1	15			2	
Jonesville.....	17	1,367	12.51	1,200	14.17	1						
Kalkaskia.....	19	1,304	14.53	1,450	13.10	2	2					1
Lapeer.....	55	3,297	16.68	3,300	16.67	2					4	
Leslie.....	15	1,114	13.46	1,000	15.00		2					
Lowell.....	15	1,736	8.64	2,000	7.50	2						
Ludington.....	109	7,166	15.21	7,176	15.19	12		2				
Manistee.....	162	14,260	11.36	14,200	11.41	9		5	2	4	4	1
Monroe.....	73	5,048	14.48	6,000	12.17							
Mount Clemens.....	129	6,576	19.62	7,000	18.43	12		14	2		2	
Nashville.....	16	1,164	13.75	1,500	10.67	1					1	
Newaygo.....	4	1,172	3.42	1,231	3.25	1		2	1			
Niles City.....	47	4,287	10.96	4,500	10.44	2				1	1	
Oscoda.....	25	1,109	22.54	1,500	16.67	3					1	
Owosso.....	111	8,696	12.76	8,696	12.76	5		1			3	
Oxford.....	12	1,172	10.24	1,200	10.00	3						
Pentwater.....	22	1,061	20.74	1,100	20.00							
Petoskey.....	71	5,285	13.43	6,000	11.83	3		2				
Plainwell.....	12	1,318	9.10	1,379	8.70							
Plymouth.....	12	1,474	8.14	1,500	8.00	1						
Pontiac.....	149	9,769	15.25	10,000	14.90	7		2			2	
Port Huron.....	251	19,158	13.02	20,000	12.55	20		9	1		3	1
Quincy.....	17	1,563	10.88	1,500	11.33	1		1				
Richmond.....	30	1,133	26.47	1,500	20.00	3		2				
St. Joseph.....	44	5,155	8.53	5,700	7.72	2	1					1
Sault Ste. Marie.....	218	10,538	20.69	10,000	21.80	14		14			14	
South Haven.....	45	4,009	11.22	4,000	11.25	3						
Stanton.....	26	1,234	21.07	1,500	17.33	4						
Tawas.....	13	1,228	10.59	1,250	10.40							
Traverse.....	146	9,407	15.52	9,700	15.05	10		3			2	
Union.....	16	1,514	10.57	1,470	10.88	2						
West Bay.....	200	13,119	15.17	13,000	15.38	18		4	3	9	6	
Whitehall.....	16	1,481	10.80	1,600	10.00							
Ypsilanti.....	94	7,378	12.74	7,000	13.43	4		1		1	1	
Minnesota:												
Total.....	5,700	503,545	11.32	549,173	10.38	584	17	161	19	28	202	22
Albert Lea.....	50	4,500	11.00	5,000	10.00	9		1			1	
Anoka.....	42	3,769	11.14	3,600	11.67	5		2			4	
Austin.....	65	5,474	11.87	6,000	10.83	3		5	1			
Brainerd.....	112	7,524	14.89	9,000	12.44	2		5	1	2	1	2
Cannon Falls.....	9	1,239	7.26	1,237	7.27	1		1				
Chatfield.....	20	1,426	14.03	1,500	13.33						1	
Cloquet.....	47	3,072	15.30	3,074	15.29	2		1				
Crookston.....	50	5,359	9.33	5,000	10.00						8	
Detroit.....	27	2,060	13.11	2,200	12.27			5				
Fairmount.....	8	3,040	2.63	3,040	2.63	2					1	
Faribault.....	121	7,868	15.38	7,800	15.51			2	12		1	
Glencoe.....	17	1,780	9.55	1,900	8.91							1
Hastings.....	36	3,811	9.45	3,800	9.47	4					1	1
Jordan.....	22	1,270	17.31	1,200	18.33	5	1					
Le Sueur.....	14	1,937	7.23	1,800	7.79			1			2	
Mankato.....	130	10,599	12.36	10,600	12.26	8		4				
Minneapolis.....	2,289	202,718	11.30	240,000	9.54	240	13	79	2	13	113	2
Montevideo.....	22	2,146	10.25	2,700	8.14	2		1			1	2
New Ulm.....	165	5,420	30.44	5,600	29.46	3						
Northfield.....	42	3,210	13.08	3,600	11.67	4		1				
North St. Paul.....	12	1,110	10.81	1,000	12.00							
Owatonna.....	63	5,561	11.33	6,000	10.50	5		2				
Red Wing.....	75	7,525	9.96	8,000	9.38	8		3		1	1	1
St. Cloud.....	85	8,663	9.81	10,000	8.50							
St. Paul.....	1,701	163,065	10.43	165,000	10.30	242	2	36		8	57	8
Sauk Center.....	26	2,220	11.71	2,200	11.82	4				3		
Shakopee.....	26	2,047	12.70	2,000	13.00	3						
Sleepy Eye.....	18	2,046	8.80	2,200	8.18						1	
South St. Paul.....	26	2,322	11.19	2,322	11.19	2		1			2	1
South Stillwater.....	7	1,422	4.92	1,000	7.00	1						

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membranous croup.	Whooping cough.
Minnesota—Continued.												
Wells.....	20	2,017	9.92	2,100	9.48	4		1				
Willmar.....	47	3,409	13.79	3,700	12.79	4	1	3				
Winnebago.....	17	1,816	9.36	2,500	6.80	2		2				
Winona.....	270	19,714	13.70	20,000	13.50	16		7		4	7	
Worthington.....	19	2,386	7.96	2,500	7.60	1						
Mississippi:												
Total.....	269	19,423	13.85	21,560	12.48	34	6	13	13	4	7	0
Corinth.....	74	3,661	20.21	3,660	20.22	15		7	8		1	
Grenada.....	53	2,568	20.64	2,500	21.20	2	1		3			
Holly Springs.....	10	2,815	3.55	3,500	2.86	4	1		1			
Lexington.....	6	1,516	3.96	1,600	3.75	1	3					
Macon.....	45	2,057	21.88	2,300	19.57	2		2			2	
Pass Christian.....	26	2,028	12.82	2,000	13.00							
Summit.....	15	1,499	10.00	2,000	7.50	4		1		2	1	
Wesson.....	40	3,279	12.20	4,000	10.00	6		4		2	2	
Missouri:												
Total.....	11,078	713,227	15.53	717,876	15.45	1,545	6	202	49	62	446	20
Bethany.....	30	2,093	14.33	2,097	14.31	7						
Boonville.....	75	4,377	17.14	5,000	15.00	4		1			4	
Bowling Green.....	5	1,902	2.63	1,800	2.67			1				
Carsville.....	144	4,445	30.15	5,000	28.80		3	10	2	3	5	
Granby.....	18	2,315	7.78	2,300	7.83	4		1		1		
Independence.....	25	6,974	3.73	9,500	2.63	14		2		1	7	1
Milan.....	36	1,757	20.49	1,800	20.00	11	4		4			1
Monroe.....	30	1,929	15.55	2,000	15.00	6						
Plattsburg.....	33	1,878	17.57	2,000	16.50	3			2		4	1
St. Joseph.....	740	102,979	7.19	102,979	7.19	82		15			15	2
St. Louis.....	9,847	575,200	17.12	575,200	17.12	1,412	3	168	45	57	409	15
Stanberry.....	30	2,654	11.30	2,700	11.11	2					2	
Warrensburg.....	65	4,724	13.76	5,500	11.82							
Montana:												
Total.....	247	21,127	11.60	21,390	11.55	10	3	14	1	1	13	1
Bozeman.....	45	3,419	13.16	3,500	12.86	1		5			2	
Great Falls.....	170	14,930	11.39	14,890	11.42	8	1	9	1	1	11	1
Livingston.....	32	2,778	11.52	3,000	10.67	1	2					
Nebraska:												
Total.....	1,644	167,898	9.79	174,351	9.43	110	1	43	1	7	52	2
Beatrice.....	100	7,875	12.70	7,875	12.70	3		5			1	
Blair.....	33	2,970	11.11	2,970	11.11							
Hebron.....	18	1,511	11.91	1,600	11.25	3						
Kearney.....	78	5,654	13.84	6,844	11.41	6	1	4			2	1
Lexington.....	16	1,343	11.91	2,000	8.00	2		1			2	
Nebraska City.....	82	7,380	11.11	10,648	7.70	4		5		1	10	
Neligh.....	12	1,135	10.57	1,200	10.0	1		1				
Norfolk.....	37	3,889	9.53	3,823	9.70	5					20	
Omaha.....	999	102,555	9.77	103,000	9.70	82		24		5	20	
South Omaha.....	230	26,001	8.85	26,001	8.85			3	1	1	13	1
Superior.....	16	1,577	10.15	1,800	8.89							
Tecumseh.....	5	2,005	2.49	2,500	2.00	2						
Wayne.....	10	2,119	4.71	2,200	4.54	1						
West Point.....	8	1,890	4.23	1,900	4.21	1					4	
New Hampshire:												
Total.....	3,458	182,485	18.94	213,565	16.19	240		51	10	13	38	10
Alton.....	28	1,500	18.67	1,500	18.67				2			
Amherst.....	23	1,231	18.68	1,200	19.17						1	
Andover.....	14	1,179	11.87	1,179	11.87							
Ashland.....	32	1,289	24.83	1,289	24.83	1		2		2	1	
Bedford.....	17	1,148	14.80	1,140	14.91							
Belmont.....	25	1,294	11.50	1,294	11.59							

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membr. croup.	Whooping cough.
New Hampshire—Cont'd.												
Berlin.....	126	8,886	14.18	9,000	14.00	7		12			5	
Bethlehem.....	20	1,261	15.86	1,260	15.86	3						
Boscawen.....	16	1,455	11.00	1,400	11.44	1		1				
Bristol.....	36	1,600	22.50	1,600	22.50	1		1				
Canaan.....	27	1,444	18.70	1,450	18.62							
Candia.....	19	1,057	17.98	1,050	18.10	2						
Charlestown.....	22	1,473	14.94	1,550	14.19			1				
Claremont.....	114	6,496	17.54	6,500	17.54	7					2	
Concord.....	373	19,632	19.00	19,632	19.00	19		1	1		5	
Farmington.....	60	2,265	26.48	2,600	23.08	6						1
Franklin.....	99	5,846	16.93	5,843	16.94	4		2	2		5	
Goffstown.....	275	2,528	29.67	2,500	30.00	9						1
Gorham.....	17	1,797	9.46	1,798	9.46							
Greenville.....	17	1,608	10.57	1,600	10.63							
Hanover.....	44	1,884	23.35	1,884	23.35	3		1				
Hillsboro.....	36	2,254	15.97	2,340	15.38							
Hooksett.....	31	1,665	18.62	1,665	18.62				1			
Hopkinton.....	25	1,652	15.13	1,700	14.71	1		1				
Hudson.....	32	1,261	25.38	1,200	26.67	3						
Jaffrey.....	53	1,891	28.03	1,900	27.89	5		1			1	2
Jefferson.....	8	1,080	7.40	1,100	7.27	2		1			1	
Lebanon.....	85	4,965	17.12	5,000	17.00	8		2				
Littleton.....	56	4,066	13.77	4,200	13.34	5						
Londonderry.....	17	1,408	12.07	1,400	12.14							
Manchester.....	1,167	56,987	20.48	56,987	13.53	100		11	1	6	13	3
Marbleboro.....	19	1,524	12.47	1,800	10.56	2						
Meredith.....	40	1,713	23.35	1,800	22.22	2			1	1		1
Milan.....	11	1,135	9.69	1,100	10.00			2				
Millford.....	75	3,739	20.06	3,739	20.06	2		1		3	1	
New Boston.....	23	1,002	22.95	1,002	22.95							
Northumberland.....	26	1,977	13.15	2,000	13.00	1		4				1
Ossipee.....	39	1,479	26.37	1,700	22.94	4						
Plaistow.....	20	1,027	19.47	1,000	20.00	1						
Raymond.....	26	1,100	23.63	1,100	23.63							
Rochester.....	181	8,466	21.37	8,467	21.37	24					2	
Salem.....	32	2,041	15.68	2,041	15.68	2		1	1			
Sandwich.....	16	1,077	14.86	1,097	14.59			1	1			
Seabrook.....	32	1,497	21.38	1,500	21.33			5				
Stratford.....	20	1,040	19.23	1,040	19.23					1		
Swansey.....	30	1,570	19.11	1,570	19.11	2					1	
Walpole.....	49	2,693	18.20	2,600	18.85	4						
Warner.....	41	1,358	30.19	1,358	30.19	4						
Weare.....	29	1,553	18.67	1,500	19.33							1
Wolfboro.....	35	2,390	14.64	2,390	14.64	2						
New Jersey:												
Total.....	14,708	639,839	22.98	745,917	19.72	1,485	1	139	83	101	396	96
Bayonne.....	556	32,722	16.99	32,722	16.99	44		5	1		17	21
Beverly.....	57	1,950	29.23	2,000	28.50							
Boundbrook.....	26	2,622	9.92	2,700	9.63	2					1	2
Camden.....	1,361	75,935	17.92	75,935	17.92	8		10			14	
Carlstadt.....	45	2,574	17.48	3,000	15.00	5				1	4	
Dunellen.....	15	1,239	12.11	1,500	10.00	5					1	
Egg Harbor.....	33	1,808	18.25	1,808	18.25	5		1			7	
Frenchtown.....	17	1,020	16.67	1,023	16.62	1		1				
Garfield.....	40	3,504	11.42	3,500	11.43					2	3	
Hackensack.....	110	9,443	11.65	9,443	11.65	1		2				
Hackettstown.....	48	2,474	19.40	2,572	18.66	1						
Haddonfield.....	34	2,776	12.25	2,776	12.25	2		2			1	
Hammonton.....	94	3,481	27.00	3,694	25.42			1	1		8	2
Hoboken.....	1,429	59,364	24.07	60,000	23.82	149		2	8	3	30	2
Jersey City.....	4,236	206,433	20.52	206,433	20.52	525		44	12	32	138	21
Long Branch.....	135	8,572	15.22	9,500	14.21			3			1	4
Manasquan.....	22	1,500	14.67	1,800	12.22	2						
Merchantville.....	31	1,608	19.28	1,450	21.38	3		1				
New Brunswick.....	519	20,006	25.94	20,015	25.93	41		5	2	1	6	1
Newark.....	5,006	246,070	20.32	250,000	20.02	676	1	50	58	55	143	43
Orange.....	420	24,141	17.40	24,141	17.40			5		3	6	
Raritan.....	63	3,244	19.42	3,244	19.42	1		1			1	

a Fifty-one deaths occurred in county almshouse.

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and mem. croup.	Whooping cough.
New Jersey—Continued.												
Riverton.....	9	1,332	6.76	1,000	9.00	.....	.....	.....	.....	.....	.....	.....
Salem.....	116	5,811	19.96	5,600	20.71	.....	.....	1	.....	.....	1	4
Somerville.....	74	4,843	15.28	4,843	15.28	.....	.....	4	.....	.....	2	.....
South Orange.....	43	4,608	9.33	4,608	9.33	3	.....	.....	.....	.....	2	.....
South River.....	46	2,792	16.48	3,000	15.33	2	.....	.....	.....	1	.....	.....
Washington.....	58	3,580	6.20	3,600	16.17	6	.....	.....	.....	2	.....	.....
Woodbury.....	65	4,087	15.90	4,000	16.25	3	.....	1	1	.....	5	.....
New York:												
Total.....	90,096	4,656,311	19.35	4,695,769	19.19	9,975	15	1,092	940	565	2,620	694
Adams.....	28	1,292	21.67	1,300	21.54	2	.....	.....	.....	.....	.....	.....
Alexandria Bay.....	17	1,511	11.25	1,800	9.44	.....	.....	.....	1	.....	.....	.....
Amityville.....	32	2,038	15.73	2,000	16.00	3	.....	.....	.....	.....	.....	.....
Attica.....	23	1,785	12.89	1,800	12.78	.....	.....	.....	.....	.....	.....	.....
Auburn.....	520	30,345	17.14	30,345	17.14	56	.....	14	10	.....	14	7
Binghamton.....	792	39,647	19.98	39,647	19.98	62	.....	19	.....	9	55	.....
Boonville.....	66	1,745	37.82	3,512	18.79	6	.....	.....	.....	.....	.....	.....
Brookport.....	53	3,398	15.60	3,425	15.47	12	.....	.....	.....	.....	.....	.....
Buffalo.....	4,998	352,387	14.18	352,387	14.18	423	.....	90	58	31	66	40
Cambridge.....	28	1,578	17.74	1,500	18.67	3	.....	.....	.....	.....	1	.....
Canastota.....	28	3,030	9.21	3,100	9.03	.....	.....	.....	.....	.....	.....	.....
Castleton.....	23	1,214	18.91	1,300	16.09	5	.....	2	.....	.....	.....	.....
Clifton Springs.....	35	1,617	21.65	1,600	21.88	3	.....	.....	.....	.....	.....	.....
Clinton.....	22	1,340	16.42	1,200	18.33	2	.....	1	.....	.....	1	.....
Cobleskill.....	61	2,327	25.78	3,436	17.46	9	.....	.....	.....	.....	1	2
Corning.....	200	11,061	18.08	12,000	16.67	15	.....	12	.....	5	15	.....
Cortland.....	116	9,014	12.88	9,014	12.88	.....	.....	.....	.....	.....	.....	.....
Coxsackie.....	50	2,755	18.15	3,000	16.67	5	.....	2	.....	.....	3	.....
Danville.....	68	3,632	18.72	3,636	18.61	4	.....	5	.....	.....	.....	.....
Delhi.....	51	2,078	24.54	3,200	15.94	2	.....	1	.....	.....	.....	.....
Dobbs Ferry.....	51	2,888	17.66	2,800	18.21	4	.....	.....	.....	.....	3	.....
Dundee.....	23	1,291	17.82	1,200	19.18	1	.....	.....	.....	.....	.....	.....
Dunkirk.....	190	11,616	16.36	14,100	13.48	3	.....	7	.....	3	2	.....
East Aurora.....	34	2,366	14.37	2,400	14.17	.....	.....	1	.....	.....	.....	.....
East Syracuse.....	35	2,509	13.95	2,500	14.00	3	.....	2	.....	.....	.....	.....
Ellenville.....	45	2,879	15.63	3,000	15.00	2	.....	.....	1	.....	.....	.....
Elmira.....	533	35,672	14.94	35,672	14.94	49	.....	17	4	1	1	1
Fairport.....	38	2,489	15.27	2,489	15.27	3	.....	1	.....	1	1	.....
Fayetteville.....	16	1,304	12.27	1,500	10.71	.....	.....	.....	.....	.....	.....	.....
Fishkill.....	78	3,673	21.24	4,000	19.50	12	.....	2	2	.....	2	.....
Fonda.....	25	1,145	21.83	1,190	21.01	7	.....	.....	.....	.....	.....	.....
Fort Plain.....	74	2,444	30.28	6,000	12.33	4	.....	3	.....	2	.....	1
Frankfort.....	32	2,664	12.01	3,500	9.14	6	.....	.....	.....	1	2	.....
Glens Falls.....	237	12,613	18.78	13,600	17.43	28	.....	2	.....	6	3	4
Green Island.....	74	4,770	15.51	4,500	16.44	11	.....	5	.....	.....	.....	.....
Groton.....	63	3,564	17.65	3,600	17.50	6	.....	.....	.....	.....	.....	.....
Hamilton.....	23	1,627	14.14	2,300	10.00	3	.....	1	.....	.....	.....	.....
Hastings on Hudson.....	29	2,002	14.46	2,000	14.50	3	.....	.....	.....	.....	.....	.....
Holley.....	20	1,380	14.50	1,400	14.29	4	.....	.....	.....	.....	1	.....
Hoosick Falls.....	111	5,671	19.57	5,671	19.57	6	2	8	.....	.....	.....	.....
Hornellsville.....	141	11,918	11.83	12,000	11.75	10	.....	1	.....	3	1	.....
Hudson.....	208	9,528	21.83	10,000	20.80	22	.....	11	.....	.....	3	.....
Johnstown.....	104	10,130	10.27	12,000	8.67	8	1	2	.....	.....	.....	.....
Kingston.....	473	24,535	19.28	25,000	18.92	46	.....	2	3	6	8	.....
Leroy.....	81	3,144	25.76	3,140	25.80	10	.....	3	.....	.....	3	1
Liverpool.....	18	1,133	15.80	1,200	15.00	1	.....	.....	.....	.....	.....	.....
Lowville.....	36	2,352	15.24	3,000	12.00	.....	.....	.....	.....	.....	.....	.....
Marathon.....	25	1,092	22.90	1,200	20.83	.....	.....	.....	.....	.....	.....	.....
Massena.....	64	3,904	16.39	4,200	15.24	11	.....	1	1	2	1	.....
Matteawan.....	77	5,807	13.26	5,000	15.40	12	.....	2	.....	.....	.....	1
Mechanicsville.....	87	4,695	18.53	6,000	14.50	5	.....	3	.....	.....	7	.....
Medina.....	81	4,716	17.18	5,000	16.20	15	.....	5	.....	.....	1	.....
Mexico.....	47	3,091	15.21	2,300	20.43	7	.....	.....	1	.....	.....	.....
Middleburg.....	42	1,135	37.00	1,200	35.00	4	.....	4	1	.....	1	.....
Mohawk.....	36	2,029	17.75	2,100	17.14	2	.....	.....	.....	1	.....	1
Moravia.....	37	2,073	15.59	2,400	15.42	1	.....	1	1	1	2	.....
Mount Kisco.....	30	1,346	22.28	1,500	20.00	5	.....	2	.....	.....	.....	.....
Mount Morris.....	41	3,715	11.31	3,800	10.76	5	.....	1	.....	.....	.....	.....
Newburg.....	549	24,943	20.01	25,000	21.96	79	.....	9	2	.....	5	.....

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membr. croup.	Whooping cough.
New York—Continued.												
New Rochelle.....	262	14,720	17.80	15,000	17.47	8	.....	1	6	3	9	.....
New York.....	70,872	3,437,202	20.62	3,444,675	20.57	8,155	12	718	816	465	2,277	584
Niagara Falls.....	308	19,457	15.83	19,457	15.83	25	.....	24	4	.....	6	2
North Tarrytown.....	58	4,241	13.65	4,000	14.50	5	.....	.....	.....	.....	.....	.....
North Tonawanda.....	123	9,069	13.56	9,000	13.67	.....	.....	.....	.....	.....	.....	.....
Norwich.....	25	5,766	4.34	6,000	4.17	7	.....	1	.....	2	.....	.....
Nyack.....	63	4,275	14.74	5,400	11.67	3	.....	.....	.....	.....	.....	1
Oneonta.....	112	7,147	15.67	9,500	11.79	11	.....	3	.....	.....	3	.....
Palmyra.....	61	3,758	16.23	4,500	13.64	7	.....	.....	.....	.....	.....	.....
Phelps.....	29	1,306	22.21	1,300	22.30	2	.....	.....	.....	.....	.....	.....
Phoenix.....	59	1,532	38.51	1,500	39.33	.....	.....	.....	2	.....	.....	1
Plattsburg.....	165	8,434	19.56	10,000	16.50	13	.....	2	.....	.....	3	.....
Port Byron.....	30	1,013	29.62	1,800	16.67	4	.....	.....	.....	.....	3	.....
Port Chester.....	151	7,440	20.80	8,000	18.89	15	.....	2	1	1	7	.....
Port Jervis.....	150	9,385	15.97	10,000	15.00	27	.....	5	1	.....	2	3
Potsdam.....	68	3,843	17.69	4,000	17.00	8	.....	1	.....	1	.....	.....
Pulaski.....	22	1,493	14.74	1,500	14.67	3	.....	.....	.....	.....	.....	.....
Randolph.....	15	1,209	12.41	1,000	15.00	1	.....	1	.....	.....	.....	.....
Rhinebeck.....	58	3,472	16.70	3,360	17.23	8	.....	.....	.....	2	2	.....
Rochester.....	2,272	162,608	13.97	162,435	13.91	266	.....	30	8	11	46	20
Rosendale.....	129	6,278	20.55	6,000	21.50	.....	.....	3	4	.....	5	2
St. Johnsville.....	41	1,873	21.89	2,000	20.50	1	.....	.....	.....	.....	3	1
Sandy Hill.....	72	4,473	16.10	4,473	16.10	3	.....	1	.....	.....	.....	2
Saratoga Springs.....	281	12,409	22.64	12,000	23.42	36	.....	6	.....	.....	2	.....
Saugerties.....	192	9,754	19.67	10,500	18.29	20	.....	1	.....	1	5	3
Schoharie.....	21	1,006	20.87	1,020	20.59	4	.....	.....	.....	.....	.....	.....
Seneca Falls.....	98	6,519	15.03	7,000	14.00	3	.....	.....	.....	.....	2	.....
Sidney.....	81	4,023	20.13	5,000	16.20	3	.....	5	1	.....	7	.....
South Glens Falls.....	40	2,025	19.75	2,050	19.51	12	.....	.....	.....	2	.....	1
Springville.....	14	1,992	7.03	2,000	7.00	2	.....	.....	.....	.....	.....	1
Syracuse.....	1,637	108,374	15.10	108,000	15.16	184	.....	29	8	2	15	10
Theresa.....	28	2,130	13.16	2,400	11.67	3	.....	1	1	.....	.....	.....
Ticonderoga.....	51	5,048	10.10	5,000	10.20	4	.....	.....	.....	.....	.....	.....
Trumansburg.....	10	1,225	8.08	1,200	8.33	1	.....	1	.....	1	.....	.....
Valatie.....	29	1,300	22.31	1,500	19.33	3	.....	.....	.....	.....	.....	.....
Warsaw.....	47	3,048	15.42	4,400	10.68	5	.....	.....	.....	.....	.....	.....
Warwick.....	106	6,493	16.51	6,000	17.67	7	.....	1	.....	.....	.....	1
Waterloo.....	66	4,256	15.51	4,256	15.51	5	.....	2	.....	.....	.....	.....
Waterville.....	18	1,571	11.46	1,650	10.91	2	.....	.....	.....	.....	.....	.....
Weedsport.....	17	1,525	11.15	2,000	8.50	3	.....	.....	.....	.....	1	.....
Wellsville.....	60	3,556	16.87	4,000	15.00	3	.....	2	.....	.....	3	.....
Whitehall.....	80	4,377	18.28	4,330	18.47	5	.....	2	.....	1	4	.....
White Plains.....	145	7,899	18.36	7,899	18.36	11	.....	.....	.....	.....	.....	.....
Yonkers.....	810	47,931	16.90	50,000	16.20	77	.....	5	1	1	10	1
North Carolina:												
Total.....	992	43,764	22.67	45,942	21.16	98	1	31	3	1	3	1
Burlington.....	62	3,692	16.79	4,000	15.50	.....	.....	.....	.....	.....	.....	.....
Durham.....	108	6,679	16.18	7,000	15.40	16	1	10	1	.....	2	.....
Oxford.....	29	2,059	14.08	2,300	12.61	2	.....	.....	.....	.....	.....	.....
Salem.....	72	3,642	19.69	3,642	19.69	9	.....	1	1	.....	.....	.....
Shelby.....	15	1,874	8.00	2,500	6.00	1	.....	.....	.....	.....	.....	.....
Washington.....	85	4,842	17.55	5,500	15.45	11	.....	7	.....	.....	1	1
Wilmington.....	621	20,976	29.61	21,000	29.52	59	.....	13	1	1	.....	.....
North Dakota:												
Valley City.....	17	2,446	6.95	2,446	6.95	1	.....	3	.....	.....	1	.....
Ohio:												
Total.....	22,640	1,526,002	14.84	1,682,818	13.44	1,875	27	740	39	106	416	103
Ada.....	18	2,576	6.99	3,000	6.00	6	.....	.....	.....	.....	.....	.....
Alliance.....	109	8,974	12.15	9,000	12.11	12	.....	8	.....	.....	2	.....
Ashtabula.....	198	12,949	15.29	13,000	15.23	20	.....	1	1	.....	2	1
Athens.....	37	3,066	12.07	3,600	10.28	5	.....	.....	.....	.....	.....	3
Barnesville.....	86	3,721	15.05	3,800	14.74	.....	.....	1	.....	.....	.....	.....
Bedford.....	29	1,486	19.52	1,600	18.13	2	.....	.....	.....	.....	.....	.....
Bellaire.....	156	9,912	15.74	9,946	15.68	17	.....	3	.....	2	1	.....

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and mem. group.	Whooping cough.
Ohio—Continued.												
Blanchester.....	7	1,788	8.91	2,000	3.00							
Bowling Green.....	40	8,067	7.89	5,067	7.89	4		8			3	
Bridgeport.....	53	3,963	13.37	3,969	13.45	7		2	1		5	1
Bryan.....	40	3,131	12.78	3,200	12.50	7		3				
Bucyrus.....	70	6,560	10.67	8,000	8.75	10		3			1	
Cambridge.....	112	8,241	13.59	10,000	11.20	15		14			4	
Carey.....	37	1,816	20.37	2,000	18.50	5		3			1	
Carthage.....	34	2,559	13.29	3,500	9.71	7					1	
Carrollton.....	10	1,271	7.87	1,200	8.33	1					1	
Cedarville.....	16	1,189	13.45	1,700	9.41		2					
Celina.....	14	2,815	4.97	3,100	4.51			1			9	
Chicago Junction.....	17	2,348	7.24	2,300	7.39	4						
Chillicothe.....	248	12,976	18.34	14,000	20.57	39		7			2	
Cincinnati.....	5,412	325,902	16.61	326,000	16.60	632	10	119	3	27	85	16
Circleville.....	114	6,991	16.31	7,000	16.29	4		2		1		
Cleves.....	23	1,328	17.32	2,500	9.20	2					1	
Cleveland.....	6,104	381,768	15.99	395,000	15.45	82	16	205	8	29	184	24
Clyde.....	34	2,515	13.52	3,000	11.33	2					1	
Columbus.....	1,562	125,560	12.44	140,000	11.16	185		53	4	9	23	21
Conneaut.....	96	7,133	13.46	7,513	12.78	2		4			2	1
Corning.....	11	1,401	7.85	1,600	6.88	2						
Coshocton.....	77	6,473	11.90	6,500	11.85	5		2		4	2	3
Covington.....	67	1,791	37.41	2,000	33.50	1		1				
Dayton.....	1,210	85,333	14.18	85,333	14.18	149		26	1	4	28	1
Defiance.....	99	7,579	13.06	9,000	11.00			2			1	
Delaware.....	120	7,940	15.11	8,000	15.00	11		6		2	2	
Delphos.....	49	4,517	10.85	4,517	10.85	4		3			1	
Delta.....	22	1,230	17.89	1,230	17.89	3						
Dennison.....	40	3,763	10.63	3,763	10.63	1		2			1	
Doylstown.....	15	1,057	14.19	1,053	14.22	2					3	
Dresden.....	19	1,600	11.87	1,700	11.12							
East Liverpool.....	201	16,485	12.19	16,439	12.23	12		16	1		5	3
East Palestine.....	32	2,493	12.84	3,000	10.67	3		2				
Elmore.....	7	1,025	6.83	1,050	6.67	1					2	
Findlay.....	273	17,613	15.50	17,613	15.50	30		15		1	13	1
Forest.....	10	1,153	8.66	1,300	7.69	1						
Fort Recovery.....	8	1,097	7.29	1,175	6.81			6				
Fostoria.....	81	7,730	10.48	8,000	10.13			3		1	1	
Gallion.....	103	7,282	14.14	7,292	14.12	8		2	2	1	1	
Geneva.....	46	2,342	19.64	2,350	19.57							
Germanatown.....	23	1,702	13.51	2,000	11.50	4		3			1	
Glendale.....	25	1,545	16.18	1,475	16.95							
Granville.....	26	1,425	18.25	1,800	14.44	5						
Hamilton.....	340	23,914	14.22	23,914	14.22	45		6	1	4	4	1
Harrison.....	22	1,456	15.11	1,456	15.11	1		2				
Hartwell.....	16	1,833	8.73	2,000	8.00	2					1	
Hillsboro.....	63	4,535	11.69	4,535	11.69	10		2		3	2	
Jackson.....	53	4,672	13.70	4,890	13.13	7		3	1		2	
Kent.....	62	4,541	13.65	4,500	13.78							
Kenton.....	89	6,852	12.99	7,000	12.71			8		4		
Lancaster.....	185	8,991	17.24	10,000	15.50	32		2		7		
Lima.....	387	21,723	17.82	25,000	15.48	39		15		3	5	1
Lockland.....	38	2,695	14.10	3,000	12.67			1				
Loudonville.....	23	1,581	14.55	1,500	15.33	5						
McComb.....	23	1,195	19.25	1,200	19.17	1		1			2	
McConnellsville.....	25	1,825	13.70	2,000	12.50							
Marietta.....	192	13,348	14.38	14,000	13.71	22		10	1	7	5	5
Marion.....	182	11,862	12.81	12,000	12.67	13		4			1	
Marysville.....	33	3,048	10.76	3,000	11.00	11		3				
Maumee.....	20	1,856	10.74	1,980	10.10			2				
Mechanicsburg.....	31	1,617	19.17	2,000	15.50	3		1				
Medina.....	20	2,232	8.96	2,300	8.70			1				
Miamisburg.....	68	3,941	17.25	4,000	17.00	3		2			3	
Middleport.....	50	2,799	17.86	3,000	16.67	9						
Middletown.....	103	9,215	11.18	10,000	10.30	14					2	
Millersburg.....	17	1,998	8.56	2,200	7.73	1						
Minster.....	14	1,465	9.56	1,450	9.66	1					1	
Napoleon.....	40	3,639	10.99	4,000	10.00	7				1	1	
New Bremen.....	14	1,318	10.62	1,400	10.00	2						
New Comerstown.....	25	2,659	9.40	2,659	9.40	2			1			
New Lexington.....	24	1,701	14.11	1,800	13.33	1		2				

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membr. croup.	Whooping cough.
Ohio—Continued.												
New London.....	18	1,180	15.25	1,100	15.84	1						
New Philadelphia.....	57	6,213	9.17	6,500	8.77	3			1		1	
New Richmond.....	29	1,916	15.14	2,000	14.50	4		4				
New Straitsville.....	28	2,302	12.16	2,500	11.20						2	1
North Amherst.....	22	1,758	12.51	2,000	11.00	2						
North Baltimore.....	55	3,561	15.45	3,600	15.28	8		7				
Norwalk.....	45	7,074	6.35	7,500	6.00	7		3		2	5	
Oak Harbor.....	11	1,631	6.74	1,900	5.79	2						
Oberlin.....	51	4,082	12.49	4,800	10.63	3						
Orrville.....	35	1,901	18.41	2,000	17.50	5					2	
Ottawa.....	32	2,322	13.78	2,200	14.55	3		2			2	
Painesville.....	90	5,024	17.91	5,000	18.00	8		8				
Piqua.....	159	12,172	13.06	12,000	13.25	24		5			2	
Portsmouth.....	287	17,870	16.06	18,000	15.94	44		11	11		1	5
Ravenna.....	47	4,003	11.74	4,500	10.44	4		2				1
Richwood.....	18	1,640	10.98	1,850	9.73	1		3				
St. Bernard.....	45	3,384	13.30	3,400	13.26	4				1	1	
Salem.....	101	7,582	13.32	7,582	13.32	8		3			10	
Salineville.....	27	2,353	11.47	2,300	11.74	1		1				
Sandusky.....	227	19,664	11.54	20,000	11.35	17		6		2	10	1
Shreve.....	17	1,043	16.30	1,100	15.45	2					3	
Sidney.....	67	5,688	11.78	6,000	11.17	4		6				
South Brooklyn.....	14	2,343	5.98	3,000	4.67	1					2	
South Charleston.....	14	1,096	12.78	1,100	12.73							
Tiffin.....	138	10,989	12.56	10,989	12.56	17		3		2	8	
Troy.....	90	5,881	15.30	6,000	15.00	23				1		
Urbana.....	98	6,808	14.41	7,000	14.00	16		2		1		1
Van Wert.....	137	6,422	21.33	7,000	19.57	12		8				
Versailles.....	13	1,478	8.80	1,500	8.67							
Wadsworth.....	13	1,764	7.37	2,000	6.50	2					1	
Wapakoneta.....	60	3,915	15.33	4,000	15.00	1		1			1	1
Warren.....	138	8,529	16.18	8,500	16.24	7					7	
Waverly.....	22	1,854	11.87	2,000	11.00	2						
Wellington.....	44	2,094	21.01	2,640	16.67	4		2	1			
Wellsville.....	106	6,146	17.25	6,200	17.10	7	2	8			18	2
Willoughby.....	42	1,753	23.90	3,000	14.00							
Wyoming.....	21	1,450	14.48	1,800	16.67	2					1	
Youngstown.....	603	44,885	13.43	44,885	13.43	52		38	1	1	6	2
Zanesville.....	311	23,538	13.21	23,500	13.24	26		22			4	1
Oregon:												
Total.....	102	8,087	12.61	8,740	11.67	6					1	
Grant Pass.....												
Marshallfield.....	16	1,391	11.50	2,000	8.00	6					1	
Pendleton.....	65	4,406	14.75	4,500	14.44							
Pennsylvania:												
Total.....	48,034	2,695,687	17.82	2,725,269	17.62	4,044	3	1,406	563	347	1,845	312
Allegheny City.....	2,021	129,896	15.56	130,000	15.54	174		83	20	14	38	37
Altoona.....	640	38,793	16.50	43,973	14.55	55		15		8	55	3
Archbald.....	110	5,396	20.39	5,396	20.39					1	1	
Ashley.....	61	4,046	15.08	4,200	14.52							
Athens.....	44	3,749	11.74	4,200	10.48	7		1	1			
Bangor.....	54	4,106	13.15	5,000	10.80	1						
Beaver Falls.....	162	10,054	16.11	10,054	16.11	16		17		1	5	
Bellefonte.....	49	4,216	11.62	4,200	11.67							
Bellevue.....	41	3,416	12.00	3,400	12.06			3				
Birdsboro.....	68	2,264	30.04	2,480	27.42	2						
Blakely.....	94	3,915	24.01	3,915	24.01			4		4	2	
Blossburg.....	23	2,423	9.49	2,800	8.21			1				
Boyetown.....	30	1,709	17.55	2,000	15.00			1				
Bradock.....	279	15,654	17.78	16,000	17.43			10	2	1	4	3
Bristol.....	120	7,104	16.89	7,104	16.89	15		2			1	2
Brookeville.....	16	2,472	6.48	2,472	6.48							
Butler.....	121	10,853	11.15	11,000	11.00	1		8			17	
California.....	28	2,009	13.94	2,021	13.85			1		1	1	
Carbondale.....	236	13,536	17.44	13,800	17.10	3		5		6	17	5
Carlisle.....	200	9,626	20.78	9,626	20.78	1					12	1
Catasauqua.....	48	3,963	12.11	3,963	12.11	6					2	

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Pneumonia.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membranous croup.	Whooping cough.
Pennsylvania—Continued.												
Catawissa.....	42	2,023	20.76	2,200	19.00	4						
Centralla.....	40	2,048	19.53	2,072	19.31							
Chambersburg.....	125	8,864	14.10	9,000	13.89	9		1			1	
Clarion.....	30	2,004	11.92	2,004	14.92							
Clearfield.....	31	5,081	6.10	5,400	5.74			1			1	
Columbia.....	261	12,316	21.19	12,116	21.19	14		12			18	
Conahocken.....	83	5,762	14.40	6,000	13.83	4		1			8	1
Corry.....	82	5,369	15.27	6,000	13.67			1			1	
Cressona.....	24	1,738	13.81	1,700	14.12						1	
Darby.....	54	3,429	15.75	4,500	12.00				1		3	
Dickson.....	97	4,948	19.60	5,000	19.40						14	
Downingtown.....	35	2,183	16.41	2,133	16.41	5		1			1	
Doylestown.....	47	3,034	15.82	3,000	15.67	8						
Dubois.....	138	9,375	14.72	10,000	13.80	6		3	8	2	4	2
Dunmore.....	257	12,583	20.42	15,000	16.67	9		2	5	6	23	
East Brady.....	18	1,233	14.61	1,265	14.28			1			3	
Elizabeth.....	31	1,866	16.61	2,000	15.50	1			1			8
Elizabethtown.....	16	1,473	10.84	1,400	11.43	2					1	
Emporium.....	23	2,463	9.34	2,400	9.58							
Erie.....	764	52,733	14.49	52,783	14.49	64	1	18			32	1
Frackville.....	48	2,594	18.50	2,594	18.50			1	1	1		
Franklin.....	68	7,317	9.29	10,000	6.80	4		3			3	
Freeport.....	37	1,754	21.09	1,800	20.56	3		5				1
Gallitzin.....	60	2,759	21.71	2,700	22.22							
Gettysburg.....	54	3,495	15.45	3,800	14.21				1	1	1	
Gilberton.....	115	4,373	26.30	4,373	26.30			1			5	
Greencastle.....	24	1,463	16.40	1,800	13.33			2			2	
Greensburg.....	73	6,508	11.22	6,508	11.22	5		1		1	7	
Hanover.....	62	5,302	11.69	5,400	11.48	1		1				
Hughesville.....	9	1,528	5.89	1,500	6.00							
Indiana.....	50	4,142	12.05	5,000	10.00					1	1	
Jeanette.....	65	8,865	11.08	6,000	10.83				1	2	1	3
Jenkintown.....	38	2,091	18.17	2,100	18.10	1		1			1	
Jermyn.....	34	2,567	13.25	2,600	13.08	1				2	2	1
Johnsonburg.....	30	3,894	7.70	4,000	7.50			1				
Kingston.....	80	3,846	20.80	4,500	17.78	3					3	
Kittanning.....	60	3,902	15.37	3,902	15.37	1		5		1	2	
Kutztown.....	8	1,328	6.02	1,600	5.00			2			2	
Lansford.....	70	4,888	14.32	5,500	12.73						8	
Lancaster.....	661	41,459	15.94	41,361	15.98	48		17		4	29	7
Latrobe.....	53	4,614	11.49	5,000	10.60	1						
Leechburg.....	10	2,459	4.06	3,000	3.33				2		1	
Lehighton.....	44	4,629	9.42	4,700	9.36	4				7	3	
Lewisburg.....	47	3,457	13.60	3,500	13.43	2					1	
Lititz.....	19	1,637	11.61	1,800	10.56							
McKeesport.....	628	34,227	18.35	35,000	17.94	8	1	23	6	9	18	8
McSherrytown.....	28	1,490	18.52	1,600	17.50	5		3				
Manheim.....	20	2,019	9.91	2,019	9.91							
Mansfield.....	20	1,847	10.83	2,000	10.00			1			2	
Mauch Chunk.....	60	4,029	14.80	4,200	14.29	6		1			2	
Meadville.....	189	10,291	15.45	10,300	15.44	14		5			3	
Mechanicsburg.....	56	3,841	14.58	4,304	13.01	3						
Milton.....	78	6,175	12.63	6,000	13.00	3		16	1	1	13	
Minersville.....	108	4,815	22.43	4,500	24.00						1	
Mount Holly Springs.....	20	1,328	15.06	1,254	15.95	1		2				
Muncy.....	22	1,934	11.38	1,934	11.38			1		1		
Nanticoke.....	164	12,116	13.54	12,000	13.67				1	1	21	
New Brighton.....	119	6,820	17.45	7,000	17.00	11		1	1	4	4	
New Castle.....	419	28,339	14.79	28,350	17.78	23		36	3	1	4	
New Haven.....	15	1,532	9.79	1,800	8.33			1				
New Hope.....	16	1,218	13.14	1,300	12.31							
Newtown.....	21	1,463	14.35	1,460	14.38	1		1				
Newville.....	36	1,635	21.75	1,500	21.00	2		1			1	
Northumberland.....	41	2,744	14.92	3,000	10.33	3						
Oakmont.....	35	2,323	15.06	2,323	15.06	6		3			3	
Oil City.....	163	13,264	12.29	13,364	12.20	22		7				1
Olyphant.....	115	6,180	18.61	6,180	18.61					2	4	2
Orwigsburg.....	25	1,518	16.47	1,521	16.47			1			1	
Parkesburg.....	28	1,788	15.66	1,788	15.66	3					3	
Philadelphia.....	25,078	1,293,697	19.38	1,293,697	19.38	2,717		449	382	163	1,042	125
Pine Grove.....	17	1,064	15.87	1,200	14.16		1	2				

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

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						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membr. croup.	Whooping cough.
Pennsylvania—Continued.												
Pittsburg.....	6,269	321,616	19.49	321,616	19.49	334	465	99	46	147	91	
Pittston.....	248	12,556	19.68	12,556	19.68	6	7	5	5	26		
Plymouth.....	286	13,642	20.96	13,764	20.78	1	7	5	2	13		
Port Carbon.....	35	2,168	16.14	2,168	16.14		2			1		
Pottstown.....	212	13,696	15.48	14,000	15.14	22	8	4	3	4		
Quakertown.....	45	3,014	14.93	3,000	14.97	4	1			2		
Reading.....	1,368	78,961	17.33	80,000	17.10	117	40	9	18	76	1	
Renovo.....	72	4,082	17.64	4,500	16.00						2	
Reynoldsville.....	35	3,435	10.19	3,500	10.00		4			3		
Rochester.....	47	4,686	10.03	5,000	9.40	7	3			1	2	
St. Clair.....	145	4,638	31.26	5,000	29.00	5	2	2	2	3	1	
Scottdale.....	45	4,261	10.56	4,200	10.71	4	2					
Sewickley.....	54	3,568	15.13	3,568	15.13	3						
Sharpsburg.....	49	6,842	7.16	7,000	7.00		4	2	4	2		
Shippensburg.....	39	3,228	12.08	4,000	9.75	7						
Slatington.....	90	3,773	23.85	3,775	23.84		1			2		
South Bethlehem.....	239	13,241	18.05	13,241	18.05	8	4	2	2	15		
Steelton.....	170	12,086	14.07	12,086	14.07	9	6	2	2	3		
Summit Hill.....	63	2,986	21.10	2,900	21.73		1			7		
Susquehanna.....	56	3,813	14.69	4,000	14.00	3	2					
Tarentum.....	70	5,472	12.79	5,472	12.79		4	1				
Tidioute.....	18	1,237	14.55	1,500	12.00							
Titusville.....	87	8,244	10.55	8,500	10.24	8	4			10		
Troy.....	18	1,450	11.72	1,300	13.85	1						
Upland.....	37	2,131	17.36	2,130	17.37	2	4			3		
Verona.....	31	1,904	16.28	1,900	16.32		4					
Washington.....	110	7,670	14.34	9,000	12.22	12	3		1	3		
Waynesboro.....	64	5,396	11.86	5,800	11.03	7	2			1		
Weatherly.....	41	2,471	16.59	2,500	16.40	2	1					
West Chester.....	199	9,524	20.89	10,000	19.90	20	4	1	1	4		
West Conshohocken.....	50	1,958	25.54	2,000	25.00	14		1				
West Newton.....	30	2,467	12.16	2,500	12.00	4	3			1		
West Pittston.....	85	5,846	14.54	5,846	14.54	3	1	2	4	4		
Wilkesbarre.....	758	51,721	14.65	51,721	14.65	45	10		5	21	2	
Wilkinsburg.....	163	11,886	13.71	12,000	13.58	2	6			2		
Williamsport.....	325	28,757	11.30	28,757	11.30	39	8					
Wrightsville.....	24	2,296	10.59	2,400	10.00					1		
York.....	401	33,708	11.90	33,708	11.90	43	12			25		
Rhode Island:												
Total.....	5,157	254,331	20.28	254,888	20.23	531	1	74	114	16	94	52
Bristol.....	169	6,901	24.49	6,900	24.49	16	1	3		5	1	
Central Falls.....	335	18,167	18.50	18,250	18.36	30	1	2	5	2	8	3
Glocester.....	34	1,500	22.67	1,500	22.67							
Johnston.....	79	4,305	18.35	4,500	17.55	9	2	3		2		
Little Compton.....	28	1,150	24.35	1,150	24.35							2
Middletown.....	24	1,457	16.51	1,450	16.55	1						
Newport.....	409	22,034	18.56	23,000	17.78	31	19			3	5	
North Kingstown.....	72	4,194	17.17	4,300	16.74	7	3	5				
North Providence.....	45	3,016	14.91	2,600	17.31						1	
Providence.....	3,678	175,597	20.95	175,597	20.95	408	41	97	11	68	45	1
Scituate.....	65	3,361	19.34	3,000	21.67	4		1				
Warren.....	112	5,108	21.93	5,100	21.96	16	3					
Westerly.....	107	7,541	14.19	7,541	14.19	9	3			5		
South Carolina:												
Total.....	690	41,077	16.80	44,085	15.65	60	16			5	2	
Anderson.....	94	5,498	17.10	6,000	15.67		2					
Clinton.....	10	1,869	5.35	2,300	4.30					3		
Florence.....	92	4,647	19.80	5,500	16.73	13	3					
Gaffney.....	100	3,937	25.40	5,000	20.00							
Greenville.....	126	11,860	10.62	11,860	10.62	17	6			2	2	
Manning.....	16	1,430	11.19	1,600	10.00	1						
Mount Pleasant.....	28	2,252	12.43	2,232	12.43		1					
Summerville.....	50	2,420	20.66	2,500	20.00	11	2					
Sumter.....	156	5,673	27.48	5,673	27.48	18						
Walterboro.....	18	1,491	12.07	1,400	12.86		2					

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membranous group.	Whooping cough.
South Dakota:												
Total	135	16,321	8.27	18,325	7.37	10	4	1	4			
Canton.....	14	1,943	7.21	2,000	7.00	1					2	
Hot Springs.....	13	1,319	9.86	1,325	9.81	2	1					
Huron.....	19	2,793	6.80	3,000	6.33		1				1	
Sioux Falls.....	89	10,266	8.67	12,000	7.42	7	2			1	1	
Tennessee:												
Total	2,758	128,289	21.50	141,080	19.55	403	9	92	12	3	37	56
Athena.....	61	1,819	32.94	2,000	30.50	15		1				
Bolivar.....	25	1,035	24.16	1,000	25.00	2	1	2				1
Chattanooga.....	541	30,154	17.94	40,000	13.53	83	5	14			5	11
Clinton.....	11	1,111	9.90	1,200	9.17	1		1			1	
Fayetteville.....	11	2,708	4.06	2,715	4.05	1		2				
Murfreesboro.....	101	3,999	25.26	5,000	20.20	15	1	3				4
Nashville.....	1,850	80,865	22.87	80,865	22.87	275	39	6	3	27	14	
Newbern.....	27	1,433	18.84	2,000	13.50			3	1			
Rockwood.....	65	2,869	22.42	3,500	18.57	3	2	9				10
Shelbyville.....	66	2,236	29.51	2,800	23.57	8		18	5		4	16
Texas:												
Total	394	30,027	13.12	36,350	10.84	73	3	23	30	15	14	6
Bryan.....	90	3,589	25.08	4,000	22.50	2			3			
Burnet.....	25	1,003	24.92	1,200	21.93	5		4		5		
Dublin.....	35	2,370	14.77	3,000	11.67	4		4	6	1	1	
Honey Grove.....	16	2,483	6.44	3,400	4.71							
Kerrville.....	21	1,423	14.05	2,000	10.00	12		2			2	
Mincola.....	20	1,725	12.17	3,500	6.00	1				2		
New Braunfels.....	25	2,097	11.92	2,000	12.50	3					4	
Rockport.....	21	1,153	18.21	1,250	16.80	8						
Sulphur Springs.....	43	3,655	11.53	5,000	8.60	10	2	9	11	7	1	3
Tyler.....	88	8,069	10.91	9,000	9.78	28	1	4			4	3
Wichita Falls.....	10	2,480	4.03	2,500	4.00				10		2	
Utah:												
Total	878	66,720	13.16	83,546	10.51	45	7	27	3	6	23	6
Brigham.....	22	2,859	7.69	2,980	7.38	1	1	5				
Heber.....	21	1,534	13.69	1,600	13.12				2			
Manti.....	30	2,408	12.48	2,436	12.32			1				
Park City.....	63	3,759	16.76	3,700	17.03	1		4		1	1	
Salt Lake City.....	684	53,531	12.78	70,000	9.77	33	1	14	1	2	11	6
Smithfield.....	28	1,494	18.74	1,400	20.00	6					8	
Spring City.....	30	1,135	26.43	1,430	20.98	4	5	2		3	3	
Vermont:												
Total	2,144	130,475	16.43	137,689	15.57	167	38	9	6	30	4	
Barre.....	171	8,448	20.24	8,700	19.66	14	3	4	1	8		
Barnet.....	28	1,050	26.67	1,800	15.56	1						
Bennington.....	104	5,656	18.39	8,033	12.95	14	1	2		1	2	
Berlin.....	13	1,021	12.73	1,020	12.74							
Berkshire.....	22	1,326	16.59	1,326	16.59	2						
Bethel.....	36	1,611	22.35	1,800	20.00		2	1				
Brighton.....	30	2,023	14.83	2,000	15.00	1	1					
Bristol.....	37	2,061	17.95	2,061	17.95	3	1					
Burlington.....	329	18,640	17.65	18,640	17.65	20	7	1	1	2		
Cabot.....	16	1,126	10.66	1,126	10.66						1	
Cambridge.....	26	1,606	16.13	1,700	15.29	2						
Castleton.....	40	2,089	19.16	2,089	19.16	5	2					
Charlotte.....	23	1,254	18.34	1,254	18.34	1	1					
Chelsea.....	15	1,070	14.07	1,070	14.07	2	3					
Concord.....	26	1,129	23.03	1,200	21.67	3						
Craftsbury.....	20	1,251	15.99	1,200	16.67	1			1		4	
Dorset.....	25	1,477	16.93	1,800	13.89	1				1		
Essex.....	37	2,203	16.80	2,241	16.51							

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membr. group.	Whooping cough.
Vermont—Continued.												
Fairfax.....	30	1,338	22.42	1,500	20.00	5						
Fairfield.....	22	1,830	12.02	1,830	12.02							1
Fairhaven.....	48	2,999	16.00	2,999	16.00	10						
Franklin.....	14	1,145	12.23	1,300	10.77	1						
Groton.....	18	1,059	17.00	1,000	18.00						4	
Hartford.....	64	3,817	16.77	4,500	14.22	7		2			3	
Hinesburg.....	21	1,216	17.27	1,216	17.27	9						
Jericho.....	34	1,373	24.76	1,465	23.21	2						
Lincoln.....	14	1,152	12.15	1,152	12.15	1						
Ludlow.....	25	2,042	12.24	2,000	12.50	1						
Morrisville.....	27	1,262	21.40	2,583	10.45	1					1	
Newbury.....	32	2,125	15.06	2,000	16.00	1					1	
New Haven.....	13	1,107	11.74	1,117	11.64	1						
Norwich.....	20	1,303	15.35	1,300	15.38	1						
Orwell.....	15	1,150	13.04	1,300	11.54	2						
Pawlet.....	28	1,731	16.18	1,731	16.18	1						
Poultney.....	30	3,108	9.65	3,000	10.00	1				1		
Procter.....	29	2,136	13.58	2,300	12.61	2		2		1		
Richmond.....	15	1,057	14.19	1,100	13.64	2						
Rochester.....	20	1,250	16.00	1,250	16.00	2						
Rutland.....	185	11,499	16.09	12,000	15.42	8		3			4	1
St. Albans.....	91	6,239	11.59	6,000	15.17	9		2				
Shaftsbury.....	40	1,857	21.54	1,852	21.59	3					1	
Shelburne.....	10	1,202	8.24	1,300	7.69	3						
Sheldon.....	20	1,341	14.91	1,300	15.38	3						
Shoreham.....	13	1,193	10.90	1,200	10.83	1						
Springfield.....	29	3,432	8.45	3,432	8.45	1		1				
Thetford.....	24	1,249	19.21	1,250	19.20	5						
Troy.....	26	1,467	17.72	1,800	14.45	1						
Underhill.....	19	1,140	16.67	1,200	15.83	1						
Vergennes.....	23	1,753	13.08	1,800	12.78	2		4				
Wallingford.....	23	1,575	14.60	1,575	14.60	2					1	
Whitingham.....	20	1,042	19.20	1,042	19.20	2						
Westminster.....	19	1,295	14.67	1,300	14.62							
Williamstown.....	35	1,610	21.74	1,610	21.74	10		1		1		
Wilmington.....	16	1,221	13.10	1,225	13.06			1				
Windsor.....	34	2,119	16.05	2,100	16.14							
Virginia:												
Total.....	485	29,487	16.45	30,763	15.77	59	3	11	2	1	10	2
Abingdon.....	12	1,306	9.19	2,200	5.45	3		1			2	
Culpepper.....	20	1,618	12.38	2,000	10.00			2	2			
Fredericksburg.....	75	5,068	14.80	5,068	14.80	5		2				2
Roanoke.....	378	21,495	17.58	21,495	17.58	51	3	6		1	8	
Washington:												
Total.....	1,451	138,106	10.51	151,835	9.56	139	2	59		13	8	7
Aberdeen.....	40	3,747	10.68	4,000	10.00	3		1				
Colefax.....	10	2,121	4.71	3,000	3.33	1		2			1	
Puyallup.....	16	1,884	8.49	2,000	8.00	2		1				
Roslyn.....	34	2,786	12.20	2,786	12.20						1	
Seattle.....	783	89,671	9.71	90,000	8.70	64		24		8	2	6
Spokane.....	413	36,848	11.21	40,000	10.33	41	2	24		2	2	1
Walla Walla.....	155	10,049	14.77	10,049	14.77	28		7		1	2	
West Virginia:												
Total.....	72	7,099	10.14	7,500	9.60	6		3	1		10	1
Benwood.....	55	4,511	12.19	4,500	12.22	5		1	1		5	1
Wellsburg.....	17	2,588	6.57	3,000	5.67	1		2			5	
Wisconsin:												
Total.....	7,724	552,404	13.98	563,893	13.68	682	4	152	43	99	192	61
Algona.....	26	1,738	14.96	1,800	14.44	3				1	1	
Alma.....	14	1,201	11.66	1,400	10.00							
Ashland.....	225	13,074	17.21	15,000	15.00	14	1	9	1		2	1
Beaverdam.....	134	5,128	26.13	5,400	24.85	5		2			3	1

Mortality statistics of 1,190 cities and towns of the United States, etc.—Continued.

Cities or towns.	Total deaths from all causes.	Population, U. S. Census of 1900.	Annual mortality per 1,000 of population, U. S. Census, 1900.	Estimated population.	Annual mortality per 1,000 of the estimated population.	Deaths from—						
						Phthisis pulmonalis.	Smallpox.	Enteric fever.	Measles.	Scarlet fever.	Diphtheria and membr. croup.	Whooping cough.
Wisconsin—Continued.												
Black River Falls.....	25	1,938	12.90	2,000	12.50	4	.....	.....	.....	.....	.....	2
Boscobel.....	22	1,637	13.44	2,000	11.00	.....	.....	.....	.....	.....	1	.....
Grand Rapids.....	60	4,493	13.35	4,497	13.34	5	.....	3	.....	.....	2	.....
Chippewa Falls.....	151	8,094	18.66	10,000	15.10	17	2	2	2	3	.....	2
Cumberland.....	13	1,328	9.79	1,600	8.50	.....	.....	.....	.....	.....	.....	.....
Darlington.....	36	1,808	19.97	2,000	18.00	2	.....	1	.....	1	.....	.....
Depere.....	62	4,038	15.35	4,500	13.78	.....	.....	.....	.....	.....	.....	.....
Dodgeville.....	29	1,865	15.55	2,000	14.50	2	.....	.....	.....	1	1	1
Edgerton.....	19	2,192	8.67	2,000	9.50	.....	.....	2	.....	.....	3	.....
Green Bay.....	276	18,684	14.77	23,000	12.00	22	.....	7	.....	1	4	.....
Horicon.....	24	1,376	17.44	1,500	16.00	1	.....	.....	.....	1	.....	.....
Jefferson.....	28	2,584	10.84	2,800	10.00	3	.....	.....	.....	1	.....	.....
Kaukauna.....	53	5,115	10.36	5,500	9.65	7	.....	6	1	.....	.....	.....
Kenosha.....	202	11,606	17.40	11,000	17.67	.....	.....	1	1	.....	.....	2
Kewaunee.....	27	1,773	15.23	1,800	15.00	3	.....	2	.....	.....	1	.....
Lacrosse.....	381	28,895	13.19	29,000	13.14	33	.....	7	.....	.....	2	1
Lake Geneva.....	27	2,585	10.41	2,885	9.36	2	.....	.....	.....	1	.....	.....
Lake Mills.....	16	1,387	11.54	1,400	11.43	3	.....	1	.....	.....	.....	.....
Manitowoc.....	159	11,786	13.49	11,900	13.36	15	.....	4	.....	1	1	.....
Marinette.....	232	16,195	14.33	16,200	14.07	25	.....	4	1	2	4	.....
Mauston.....	19	1,718	11.06	1,718	11.06	4	.....	.....	.....	.....	.....	.....
Medford.....	20	1,758	11.38	1,769	11.31	.....	.....	.....	.....	.....	1	.....
Menasha.....	71	5,589	12.70	6,500	10.92	1	.....	2	.....	.....	17	.....
Merrill.....	100	8,537	11.72	9,000	11.11	.....	.....	3	.....	5	.....	.....
Milwaukee.....	4,026	285,315	14.11	290,000	13.87	373	.....	59	36	70	124	46
Mineral Point.....	30	2,991	10.03	3,000	10.00	5	.....	3	.....	.....	.....	.....
Monroe.....	50	3,927	12.73	4,000	12.50	6	1	1	.....	.....	1	.....
Neillsville.....	25	2,104	11.88	2,120	11.79	7	.....	2	.....	.....	.....	.....
Oshkosh.....	250	28,284	8.84	30,000	8.33	35	.....	3	.....	4	6	.....
Platteville.....	28	3,340	8.38	3,400	8.38	4	.....	.....	.....	1	3	1
Port Washington.....	43	3,010	14.29	3,500	12.29	2	.....	.....	.....	.....	2	2
Prairie du Chien.....	23	3,232	7.12	3,400	6.76	3	.....	2	.....	.....	3	.....
Racine.....	417	29,102	14.33	30,000	13.90	35	.....	10	.....	4	4	1
Reedsburg.....	31	2,225	13.93	2,250	13.78	5	.....	.....	.....	1	2	.....
Rhineland.....	76	4,998	15.21	5,000	15.20	3	.....	6	1	.....	.....	.....
Rice Lake.....	75	3,002	24.98	3,500	21.43	.....	.....	7	.....	.....	.....	.....
River Falls.....	30	2,008	14.94	2,500	12.00	3	.....	.....	.....	.....	.....	.....
Sparta.....	56	3,555	15.75	3,555	15.75	11	.....	2	.....	1	.....	.....
Two Rivers.....	52	3,784	13.74	4,000	13.00	7	.....	1	.....	.....	2	.....
Whitewater.....	61	3,405	17.91	3,500	17.43	8	.....	.....	.....	.....	2	1
Wyoming:												
Total.....	196	6,473	30.28	8,250	23.64	.....	2	31	.....	.....	1	.....
Evanston.....	25	2,110	11.85	2,250	11.11	.....	.....	1	.....	.....	.....	.....
Rock Springs.....	171	4,363	39.19	6,000	28.50	.....	2	30	.....	.....	1	.....

FOREIGN AND INSULAR.

BRAZIL.

Reports from Rio de Janeiro—Dr. Edward W. Ames appointed acting assistant surgeon, U. S. Marine-Hospital Service.

RIO DE JANEIRO, BRAZIL, August 15, 1901.

SIR: I have the honor to inform you that, in accordance with your telegram of August 3, I have assumed, beginning August 13, the day of Dr. Havelburg's departure, the duties of medical officer at this consulate.

I have the further honor to transmit herewith the official sanitary report for Rio de Janeiro for the week ended August 11. There were 382 deaths from all causes, an increase of 28 as compared with the preceding week; 4 deaths from *accessio perniciosa*, a decrease of 3; no deaths from yellow fever, a decrease of 6; 54 deaths from smallpox, an increase of 12; 5 deaths from typhoid fever, a decrease of 5; 1 death from diphtheria, a decrease of 1; 2 deaths from measles, an increase of 2; no deaths from whooping cough, the same as before; no deaths from plague (lymphatitis), a decrease of 2; 3 deaths from beriberi, an increase of 3, and 65 deaths from tuberculosis, an increase of 15.

Respectfully,

EDWARD W. AMES,
U. S. Vice Consul-General, and
Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

RIO DE JANEIRO, BRAZIL, August 21, 1901.

SIR: I have the honor to inform you that I have just been made United States vice and deputy consul-general (without compensation) and thus enabled to sign bills of health in person, my commission to date from August 13.

I have the further honor to transmit herewith the official sanitary report for Rio de Janeiro for the week ended August 18. There were 335 deaths from all causes, a decrease of 47 as compared with the preceding week; 7 deaths from *accessio perniciosa*, an increase of 3; 2 deaths from yellow fever, an increase of 2; 60 from smallpox, an increase of 6; 4 from typhoid fever, a decrease of 1; 1 death from diphtheria, the same as before; 1 from measles, a decrease of 1; 1 from whooping cough, an increase of 1; 5 deaths from plague (officially classified as lymphitis), an increase of 5; 1 death from beriberi, a decrease of 2, and 48 deaths from tuberculosis, a decrease of 17.

Respectfully,

EDWARD W. AMES,
U. S. Vice Consul-General and
Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

Plague in Rio de Janerio.

[Cablegram.]

RIO DE JANERIO, BRAZIL, September 30, 1901.

Plague is now present in Rio.—AMES.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

BRITISH HONDURAS.

Report from Belize—Fruit port.

BELIZE, BRITISH HONDURAS, September 15, 1901.

SIR: I have to make the following report of the conditions and transactions at this port during the week ended September 14, 1901:

Population, according to census of 1901, 9,114; present officially estimated population, 9,114. Number of cases and deaths from yellow fever during the week, none; number of cases and deaths from smallpox during the week, none; number of cases and deaths from typhus fever during the week, none; number of cases and deaths from cholera during the week, none; number of cases and deaths from plague during the week, none; number of deaths from other causes during the week, 5. Prevailing diseases, malarial in character. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health were issued to the following vessels: September 13, steamship *Managua*; crew, 17; passengers from this port, none; passengers in transit, none; pieces of baggage disinfected, none; steamship *S. Oteri*; crew, 35; passengers from this port, 2; passengers in transit, 18; pieces of baggage disinfected, 4. September 14, steamship *Bergenseren*; crew, 17; passengers from this port, none; passengers in transit, none; pieces of baggage disinfected, none.

Respectfully,

J. GREY THOMAS,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

CANADA.

Inspection of immigrants at Quebec for the week ended September 21, 1901.

QUEBEC, CANADA, September 21, 1901.

SIR: I have the honor to report that for the week ended September 21 there were inspected 304 immigrants; passed, 301; detained, 3; cause of detention, hernia, 2; trachoma, 1.

Respectfully,

VICTOR G. HEISER,

Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

CHINA.

Plague in Canton and vicinity diminishing.

[No. 123.]

CANTON, CHINA, August 5, 1901.

SIR: In further continuation of my No. 118 concerning plague conditions in this consular district, I have the honor to report as follows:

The plague has almost entirely disappeared from Canton, and the hospital boats for the treatment of plague patients have been transferred from their moorings in the Pearl River, above the French Folly and opposite to Canton, to temporary stations below the leper village.

There are no reports, official or otherwise, of new cases either at Hanam or Fa Ti, and it is safe to assume from encouraging reports just to hand, that the epidemic is fast disappearing from the district of Swatow and its immediate vicinity.

The Rev. Rees F. Edwards, of the American Presbyterian Mission, whose communication from Lien Chow, under date of June 22, 1901, has just been received, writes that "thus far, no case of bubonic plague is noted here. It has been the experience of foreigners here that there have been none prevalent in this region, and no history of any, except an occasional case from Canton or vicinity."

Respectfully,

ROBERT M. McWADE.

United States Consul.

HON. ASSISTANT SECRETARY OF STATE.

COLOMBIA.

Report from Bocas del Toro—Fruit port.

BOCAS DEL TORO, COLOMBIA, September 18, 1901.

SIR: I have to make the following report of the conditions and transactions at this port during the week ended September 17, 1901:

Number of cases and deaths from yellow fever during the week, none; number of cases and deaths from smallpox during the week, none; number of cases and deaths from typhus fever during the week, none; number of cases and deaths from cholera during the week, none; number of cases and deaths from plague during the week, none; number of deaths from other causes during the week, 15. Prevailing diseases, malarial fevers. The 15 deaths above noted as being "from other causes," is the number killed in an engagement between the Colombian Government forces and the revolutionary party on September 14, 1901, at Old Bank, about 2½ miles from Bocas del Toro. General sanitary condition of this port and the surrounding country during the week, fairly good. There has been an increase of malarial fever during the past week. It is quite difficult to state the exact condition, owing to the exodus of the people due to the unsettled condition of affairs existing at this point. There has been an additional force of about 150 Government troops brought here from other parts of Colombia, but all have seemed in good condition. Yesterday I learned that all had been removed to Colon, with the exception of about 20.

Bills of health were issued to the following vessels: September 11, steamship *Harald*; crew, 19; passengers from this port, none; passengers in transit, none; pieces of baggage disinfected, none. September 15,

steamship *Stillwater*; crew, 27; passengers from this port, none; passengers in transit, none; pieces of baggage disinfected, none.

Respectfully,

PAUL OSTERHOUT,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

CUBA.

Reports from Cienfuegos, Casilda, and Santa Cruz del Sur.

CIENFUEGOS, CUBA, September 23, 1901.

SIR: Through the chief quarantine officer for the island of Cuba, I have the honor to submit the following report for the district under my command for the week ended September 21, 1901: Fourteen deaths have occurred in this city; of these 4 occurred in the civil hospital. No contagious diseases reported. Following shows causes of death: Tuberculosis, 4; pernicious fever, 2; tetanus, infantile, 1; trismus, infantum, 1; athrepsia, 1; old age, 1; pneumonia, 1; insufficiency, mitral, 1; puladism, 1; congenital debility, 1. Death rate per 1,000 inhabitants, 18.25. Eight vessels inspected and passed, granted pratique; 3 vessels admitted without inspection; 3 vessels disinfected prior to departure; 14 bills of health were issued; 13 alien steerage passengers were inspected and allowed to land; 3 health certificates were issued passengers for the United States; 8 pieces of baggage were disinfected, destination, Galveston, and 1 piece of baggage was inspected and passed, destination, New York.

Casilda.—Acting Asst. Surg. Alejandro Cantero reports 3 deaths in the city of Trinidad. No contagious diseases reported. Seven vessels inspected and passed, granted pratique, and 5 bills of health issued. No alien steerage passengers landed at that port.

Santa Cruz del Sur.—Acting Asst. Surg. Juan R. Xiques (report being made by Dr. P. M. Quevedo, Acting Assistant Surgeon Xiques being on leave of absence), reports 1 death at that port during week ended September 7, 1901. No contagious diseases reported. Four vessels inspected and passed, granted pratique, and no bills of health issued. No alien steerage passengers landed at that port.

Respectfully,

E. F. NUNEZ,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

Inspection of immigrants at Cienfuegos for the week ended September 21, 1901.

CIENFUEGOS, CUBA, September 23, 1901.

SIR: I herewith submit report of alien steerage passengers at this port during the week ended September 21, 1901. September 15, steamship *Miguel M. Pinillos*, from Genoa, Spanish ports, and Canary Islands, with 11 Spanish immigrants. September 17, steamship *Adalia*, from Liverpool, West Indies, and South American ports, with 2 Colombian immigrants. Total, 13.

E. F. NUNEZ,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

*Report from Havana—Yellow fever at Santiago.*HAVANA, CUBA, *September 23, 1901.*

SIR: I have the honor to submit the following report of the transactions of the first quarantine district of the island of Cuba for the week ended September 21, 1901:

The yellow fever report for the city of Havana for the week shows 3 cases and 2 deaths.

On the 20th instant Assistant Surgeon Von Ezdorf reported by wire that the English tramp steamer *Ethelbryhta* had arrived at Santiago the day previous with 3 of the crew sick and 1 death during the voyage. One of the sick men died the night of arrival and the necropsy showed unmistakable yellow fever. I obtained the temporary use of the army yellow fever camp and hospital, situated opposite the city of Santiago, for isolating and treating the sick, and Assistant Surgeon Von Ezdorf was directed to place one of his assistants in charge, with cook and necessary attendants. On the 21st instant Assistant Surgeon Von Ezdorf wired that 9 patients would be transferred to the camp that day.

On the 21st instant P. A. Surg. G. M. Guitéras reported from Matanzas a suspicious case of yellow fever—origin, Havana.

Acting Asst. Surg. F. E. Menocal reports that no third-class passengers or immigrants were examined by him for passage for any port in the island of Cuba not connected with the city of Havana by rail.

Batabano.—Acting Assistant Surgeon Campos reports having inspected 5 vessels on arrival and issued 5 bills of health during the week.

I inclose the mortuary and other statistics for the week.

Respectfully,

A. H. GLENNAN,
Surgeon, U. S. M. H. S.,

Chief Quarantine Officer for the Island of Cuba.

The SURGEON-GENERAL,
U. S. Marine Hospital Service.

[Inclosure.]

Summary of transactions for week ended September 21, 1901.

PASSENGER DEPARTMENT.

Passengers inspected	305
Persons examined for immunity and accepted.....	60
Passengers vaccinated.....	3

HARBOR DEPARTMENT.

Crews on incoming vessels inspected.....	819
Passengers on incoming vessels inspected.....	655
Crews on outgoing vessels inspected.....	815
Passengers on outgoing vessels inspected.....	335
Immigrants inspected	224
Immigrants recommended to be detained for further investigation	8
Vaccination certificates issued	4

SHORE DISINFECTING PLANT.

Baggage disinfected.....	590
Express disinfected.....	3
Freight disinfected.....	25
Baggage inspected and passed.....	662
Express inspected and passed.....	33
Freight inspected and passed.....	1,280
To be disinfected.....	1
Total handled.....	2,594

DISINFECTING STEAMER SANATOR.

Cargo vessels disinfected	2
Cargo vessels partially disinfected.....	1
Cargo vessels being disinfected.....	2
Fishing vessels disinfected	1
Baggage and dunnage disinfected.....	152
Passengers and members of crew inspected	98

TRISCORNIA DETENTION CAMP.

Nonimmune passengers detained in quarantine.....	39
No cases of sickness occurred during the stay of these passengers.	

MORTUARY REPORT.

Tuberculosis	11	Yellow fever.....	2
Enteritis	5	Pneumonia.....	1
Enteric fever.....	3	Diphtheria	2
Pernicious fever.....	1	Total number deaths from all causes....	90

Inspection of immigrants at Havana for the week ended September 14, 1901.

HAVANA, CUBA, September 14, 1901.

SIR: I herewith submit report of alien steerage passengers at this port during the week ended September 14, 1901:

Date.	Vessel.	Where from.	No. of immigrants.
Sept. 8	Steamship Esperanza.....	New York.....	7
Sept. 9	Steamship Havana.....	Progreso and Vera Cruz	20
Do.....	Steamship Chalmette	New Orleans.....	16
Do.....	Steamship Nord.....	Tampico.....	4
Sept. 10	Steamship Berenguer el Grande.....	Spain, Canary Islands, and Santo Domingo	44
Sept. 11	Steamship Mexico	New York	4
Sept. 12	Steamship Florida.....	Key West.....	2
Sept. 14	.....do .....	.....do.....	5
Total .....		.....	102

Respectfully,

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

A. H. GLENNAN,
Surgeon, U. S. M. H. S.

*Inspection of immigrants at Havana during the week ended September 21, 1901.***HAVANA, CUBA, September 21, 1901.**

SIR: I herewith submit report of alien steerage passengers arriving at this port during the week ended September 21, 1901:

Date.	Name.	Where from.	No. of immigrants.
Sept. 15	Steamship Monterey	New York.....	1
Do....	Steamship Saint Germain.....	Vera Cruz.....	6
Do....	Steamship Buenos Aires.....	Spain and New York.....	58
Sept. 16	Steamship Santanderino.....	Liverpool and Spain.....	64
Do....	Steamship Seguranga.....	Progreso and Vera Cruz.....	14
Sept. 17	Steamship Florida.....	Key West.....	18
Do....	Steamship Bergen.....	Trujillo.....	3
Sept. 18	Steamship Aransas.....	New Orleans.....	13
Do....	Steamship Morro Castle.....	New York.....	14
Do....	Steamship Alfonso XII.....	Vera Cruz.....	18
Sept. 19	Steamship Florida.....	Key West.....	2
Sept. 21	.....do.....	.....do.....	4
Total.....			224

Respectfully,
The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

A. H. GLENNAN,
Surgeon, U. S. M. H. S.,

*Reports from Matanzas, Cardenas, Isabela de Sagua, and Caibarien.***MATANZAS, CUBA, September 24, 1901.**

SIR: Through the chief quarantine officer for the island of Cuba, I have the honor to submit herewith the following sanitary report of the quarantine district under my command for the week ended September 21, 1901:

Matanzas.—Sixteen deaths occurred in the city of Matanzas during the period covered by this report, showing a mortality of 18.43 per 1,000. The principal causes of death were as follows: Tuberculosis, 4; heart disease, 3; eclampsia, 2; enteritis, 1; congenital debility, 1; senility, 1; other causes, 4. Two cases of diphtheria were reported. Two vessels were inspected and passed on arrival and 3 vessels passed without inspection. Four bills of health were issued to vessels leaving this port. One health certificate was issued to a person leaving the island. One piece of baggage was inspected and passed.

Cardenas.—Acting Asst. Surg. Enrique Saez reports that 10 deaths occurred in Cardenas during the week of the following causes: Tuberculosis, 2; tetanus, infantile, 2; bronchitis, 1; cerebral hemorrhage, 1; meningitis, 1; other causes, 3. Two vessels were inspected and passed and 12 vessels passed without inspection. Twelve bills of health were issued to vessels leaving the port. The death rate during the week was 21 per 1,000. No case of infectious or contagious character was reported.

Isabela de Sagua.—Acting Asst. Surg. Pedro Garcia Riera reports that during the week ended September 14, 1901, 12 deaths occurred in the municipal district of Sagua of the following causes: Tuberculosis, 5; senility, 1; cerebral hemorrhage, 1; pernicious fever, 1; infectious enteritis, 1; other causes, 3. The death rate during the week was 29.34 per 1,000. No case of infectious or contagious character was reported. One vessel was inspected and passed on arrival and 9 vessels passed without inspection. Seven bills of health were issued to vessels leaving the port. During the week ended September 21, 1901, he reports as fol-

lows, viz, 8 deaths occurred of the following causes: Tuberculosis, 4; nephritis, 1; cerebral hemorrhage, 1; other causes, 2. The death rate during the week was 19.56 per 1,000. No case of infectious or contagious character was reported. Ten vessels arrived during the week and were passed without inspection. Fourteen bills of health were issued to vessels leaving the port.

Caibarien.—No report has been received.

Respectfully,

G. M. GUITÉRAS,

Passed Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

P. A. Surg. G. M. Guitéras reported on September 21 as follows: "Suspicious case of yellow fever reported to-day, origin Havana."

Respectfully,

A. H. GLENNAN,

Surgeon, U. S. M. H. S.,

Chief Quarantine Officer for the Island of Cuba.

The SURGEON-GENERAL, *U. S. Marine-Hospital Service.*

Reports from Nuevitas, Puerto Padre, Gibara, and Baracoa.

NUEVITAS, CUBA, *September 16, 1901.*

SIR: Through the chief quarantine officer of the island of Cuba, I have the honor to submit the following report for the week ended September 14, 1901: Six vessels arrived at this port and 7 bills of health were issued. There was 1 death, from entero-colitis. The sanitary condition is good.

Puerto Padre.—Reports show the arrival of 3 vessels, the issuance of 3 bills of health, no deaths, and good sanitary condition.

Gibara.—Reports show the arrival of 8 vessels, the issuance of 8 bills of health, 3 deaths—1 tetanus, 2 meningitis, and good sanitary condition.

Baracoa.—Reports show the arrival of 5 vessels, the issuance of 4 bills of health, good sanitary condition, and 5 deaths—1 from parturition, 1 cholera infantum, 1 entero-colitis, 1 tuberculosis, and 1 malarial fever.

No quarantinable disease is reported at any point in the district.

Respectfully,

OWEN W. STONE,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON GENERAL, *U. S. Marine-Hospital Service.*

NUEVITAS, CUBA, *September 23, 1901.*

SIR: Through the chief quarantine officer for the island of Cuba, I have the honor to transmit the following report for the week ended September 21, 1901: Ten vessels arrived at this port during the week and 9 bills of health were issued. There was 1 death from pulmonary tuberculosis. The weather was very warm and cloudy, without much rain. The sanitary condition of the town is good.

Gibara.—Reports show the arrival of 9 vessels, the issuance of 8 bills of health, 1 death, tetanus, and good sanitary condition.

Baracoa.—Reports show the arrival of 4 vessels, the issuance of 7 bills of health, and 7 deaths—1 dentition, 1 pulmonary tuberculosis, 1 malarial fever, 1 rheumatism, 1 convulsions, and 2 cholera infantum.

No quarantinable disease is reported at any point in the district.

Respectfully,

OWEN W. STONE,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL, *U. S. Marine-Hospital Service.*

*A case of yellow fever at Trinidad.*CIENFUEGOS, CUBA, *October 1, 1901.*

Case yellow fever Trinidad this division.—NUNEZ.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

ENGLAND.

*Reports from London.*LONDON, ENGLAND, *September 18, 1901.*

SIR: I have the honor to report that since my last report to you there has been a considerable increase in the number of cases of small-pox occurring in the city of London, the total number since the middle of July being 211 cases. For the week ended the 14th instant there were 9 deaths as against 7 in each of the two preceding weeks.

Respectfully,

A. R. THOMAS,

Passed Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

*U. S. Marine-Hospital Service.*LONDON, ENGLAND, *September 21, 1901.*

SIR: I have the honor to state that the health of the British Isles in general remains satisfactory, the only disease worthy of note being small-pox in London. There were, on the 19th instant, 151 cases of small-pox under treatment and 3 new cases were reported yesterday. The epidemic is practically confined to three boroughs of the city, and in one of these, at least, there is a rather large percentage of unvaccinated children.

Respectfully,

A. R. THOMAS,

Passed Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

GERMANY.

*Report from Berlin—Malaria in east Prussia.*BERLIN, GERMANY, *September 13, 1901.*

SIR: I have the honor to transmit copy and translation of an item in the Lokal-Anzeiger of September 12 (evening edition), regarding malaria in east Prussia.

Respectfully,

FRANK H. MASON,

United States Consul-General.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

[Inclosure.]

"A malaria center in east Prussia.

"The German Weekly Medical Journal (Deutsche Medicinische Wochenschrift) published an article by the district surgeon of Benkheim, Dr. Ezygan. The doctor describes 8 cases of typical malaria, all from the flooded districts of Goldap and Augerburg. An examination

of the blood showed all the cases to be malarial sickness and their occurrence was demonstrated to be due to bites from gnats. Dr. Ezygan recommends, in this connection, a thorough investigation and study of local malaria, and the regulation of the river courses in that district."

GUATEMALA.

Reports from Livingston—Fruit port.

LIVINGSTON, GUATEMALA, *September 12, 1901.*

SIR: I have to make the following report of the conditions and transactions at this port during the week ended September 5, 1901:

Present officially estimated population, 3,000. Number of cases and deaths from yellow fever during the week, none; number of cases and deaths from smallpox during the week, none; number of cases and deaths from typhus fever during the week, none; number of cases and deaths from cholera during the week, none; number of cases and deaths from plague during the week, none; number of deaths from other causes during the week, none. Prevailing diseases, malarial. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health were issued to the following vessels: September 10, steamship *Managua*; crew, 17; passengers from this port, none; passengers in transit, none; pieces of baggage disinfected, none. September 12, steamship *Bergenseren*; crew, 17; passengers from this port, none; passengers in transit, none; pieces of baggage disinfected, none.

Respectfully,

W. K. FORT,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL, *U. S. Marine-Hospital Service.*

LIVINGSTON, GUATEMALA, *September 19, 1901.*

SIR: I have to make the following report of the conditions and transactions at this port during the week ended September 19, 1901:

Present officially estimated population, 3,000. Number of cases and deaths from yellow fever during the week, none; number of cases and deaths from smallpox during the week, none; number of cases and deaths from typhus fever during the week, none; number of cases and deaths from cholera during the week, none; number of cases and deaths from plague during the week, none; number of deaths from other causes during the week, none; prevailing diseases, malarial. General sanitary condition of this port and the surrounding country during the week, good.

Bill of health was issued to the following vessel: September 9, steamship *Esther*.

Respectfully,

W. K. FORT,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL, *U. S. Marine-Hospital Service.*

HAWAIIAN ISLANDS.

Report of the Hawaiian Territorial board of health on plague in Honolulu in June and July, 1901.

HONOLULU, H. I., *September 10, 1901.*

SIR: I have the honor to transmit herewith a report from the Hawaiian Territorial board of health on the cases of plague which occurred at

this place from June 6 to July 16, inclusive. These cases were reported by this office to the Bureau as they occurred, together with all of the particulars obtainable at the time.

The board of health has tried to trace the origin and course of the infection and the inclosed report shows the result of their work, and also the small amount of information they were able to obtain from these people, who resent being questioned on health matters and who give misleading answers if they give any at all. The group of cases, 7 in all, from May 31 to July 17, inclusive, is recorded on a city map, and these foci will be carefully watched for a further recrudescence of plague when the rainy season begins.

For the past sixty days there has been very little rain, and a correspondingly large percentage of sunshine. The exact bearing these conditions have had on the cessation of the disease is not known, but in any event the advent of the rainy season will enable us to draw deductions of great interest and value.

Respectfully,

L. E. COFER,
*Passed Assistant Surgeon, U. S. M. H. S.,
Chief Quarantine Officer, Hawaii.*

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

Bacteriology of bubonic plague in Honolulu.

HONOLULU, H. I., June 30, 1901.

SIR: By direction of the board of health, through its executive officer, the following is submitted as a report upon the bacteriological investigations in connection with 4 recent cases of bubonic plague occurring in Honolulu:

It is an encouraging feature that no existing causative relation has been discovered between these cases and the single reported case of March 29, a fact which commends the thoroughness of the disinfecting and other prophylactic measures then employed. While it is impossible to state whether the recent cases were due to a fresh importation of the infection from the Orient, or simply a slight recrudescence of the local epidemic of 1900, the probabilities, judging from the experiences of other infected cities, point to the latter.

Through whatever avenue the disease gains access to a community, its specific cause, since its discovery in 1894, has been many times scientifically demonstrated to be the bacillus pestis bubonica, and only upon the recognition of the presence of this bacterium at the present time, the world over, is an absolute diagnosis made. The past few years have seen a vast amount of study and research expended in this direction, as demanded by its importance; since upon its advent in a community, the suspicions roused by the clinical aspects of the case demand, with the greatest practicable expedition, their confirmation or denial. Owing to the momentous problems involved concerning not only the saving of human lives, but the commercial, industrial, and social well-being of the community at large, the bacteriologist has had put upon him heavy responsibilities, which, in turn, have stimulated him to his best efforts, so that, to-day, the literature of the subject is no longer meager; and constantly improving methods of technique are tending more and more to render his work invaluable.

In our series of 4 cases, opportunity was afforded the department for the observation of 2 of the patients during one and two days, respec-

tively, before death, whereby the clinical features could be carefully studied and noted. In one of these two cases, I had an opportunity of obtaining by aspiration, serum from a bubo direct, by which a positive diagnosis was established some twenty-eight hours before death. I have been highly gratified by the fact that in each of the 4 cases, my observations have entirely confirmed the most recently published researches in other infected cities, notably Hongkong, Sydney, and San Francisco.

Considerable misapprehension evidently exists in the mind of the medical profession regarding the "bipolar staining" which has come to be a sort of universal catchword in discussing the characteristics of the bacillus of plague. I find that it is quite generally understood that the tingibility of the individual element is confined exclusively to the two ends, and that a bacillus not showing this peculiarity is regarded with doubt and suspicion. This is a mistake. In the hanging drop unstained preparation the protoplasm of the element is seen to be densely aggregated at each end and gradually thinned, so to speak, toward the center of the rod, at which point it seems comparatively fluid or watery. The absorption of the stain being directly as the density of the cellular content, its appearance would naturally justify the statements of the earlier observers of three or four years ago, that "the bacillus has usually the appearance of a diplococcus."

The latest and most authoritative utterances on the subject, however, declare that the bacillus shows a marked *tendency* to bipolar staining and this characteristic is a prominent diagnostic feature, but not by any means the only one. In fact, Tidswell, of Sydney, after a most elaborate and exhaustive study of 303 cases in the recent epidemic in that city finds that while it is not uncommon to find individual elements taking the stain only in a narrow band at each end, there are others which stain uniformly throughout the entire length, but that by far the great majority occupy a mean distance between these two extremes, namely, full stain at the poles, light or absent in the center. This is the true import of the so-called bipolar staining. Other characteristics of the bacillus, besides that of its peculiar staining, are of the utmost importance upon a closer acquaintance; its varying length, its uniform breadth, the shape of its ends, its cultural behavior in the growth and form of its colonies, its possible involution forms, and other important features, all of the greatest interest and value; but to have a theoretical mental picture of a plague bacillus and expect every element to conform to it in size, shape, and stain will be as disappointing as to expect every leaf on a given tree to be precisely the same shape and tinge or to expect in each individual in a basket of any given fruit, the same unvarying size and shape.

In our series of 4 cases I have been most fortunate in obtaining in each case direct from glands and spleen, cover slip smear preparations teeming with bacilli which showed their distinctive characteristics at first glance; but it is to be remembered that each of the 4 cases in its clinical aspects was well developed, marked, and typical. In an epidemic, this is not always the case—as for instance, the San Francisco federal commission state in their admirable report as published by the U. S. Marine-Hospital Service (*PUBLIC HEALTH REPORTS*, pp. 801 and 816 inclusive), that they found a little Chinese girl dead at No. 747 Sacramento street, in whom "no external signs of plague were visible," yet the bacillus was demonstrated in her spleen, and from this organ a guinea pig was inoculated and died in four and a half days with plague, the viscera showing "enormous numbers" of the bacilli. The well-marked and typical cases present no great diagnostic difficulties either to the clinician or to the bacteriologist. It is the

constant possibility of the more obscure and masked cases which demand the constant unremitting vigilance of both observers.

The following notes are furnished in addition to the usual reports made upon each and every post-mortem examination at the governmental morgue:

Case 1.—During the forenoon of May 30, I accompanied Dr. Pratt to the bedside of Man Sing, on Hustace street, and with a sterilized instrument, aspirated a large bubo found in the right inguino femoral region, with the point of the needle well within the substance of a greatly inflamed and swollen gland, succeeded in withdrawing a few drops of blood-stained serum from which several cover slip smears were prepared and implantations made upon slants of nutrient agar-agar and coagulated blood serum, which were placed in the incubator at 37° C. An immediate examination of the smears showed great numbers of the *B. pestis*. Immediately after the necropsy, at 5 p. m. on the following day, additional smears were made from glands and spleen and additional tubes planted and placed in the incubator at body temperature. All of the tubes followed the regular typical routine, showing in the course of a few days the usual colonies of plague bacilli in every tube, while in some of them there also developed colonies of the usual pyogenic bacteria, chiefly the *staphylococcus pyogenes*.

Case 2.—Ah Loy; necropsy performed at 10.30 a. m., June 4, and immediately thereafter smears were made from glands and spleen and some half dozen tubes planted and placed in the incubator. The smears all confirmed the clinical suspicion of plague, the bacilli being present in large numbers.

Case 3.—Gosoburo Mazuki; necropsy at 3 p. m., June 6, smears from glands and spleen all contain *B. pestis*; tubes planted from glands and spleen.

Case 4.—Gang Moon; necropsy at 11.45 p. m., June 10, followed at once by preparation of smears and planting of tubes, the latter being immediately placed in the incubator. The smears on examination all showed large numbers of the *B. pestis*.

Although in every case a clear diagnosis was established direct from the tissues, it was deemed advisable to supplement the findings with animal inoculations, a measure indispensable and imperative where any doubt exists as to the nature of the disease or the character of the bacteria found.

Laboratory rat No. 5: Was hypodermatically injected on June 5 in the sacral region with 1 cubic centimeter of sterilized water rendered turbid by addition from a five days' growth on agar, implanted from the spleen of Man Sing. On the following day he began to show signs of indisposition, and for two or three days thereafter seemed very ill as shown by his ruffled coat, inactivity, loss of appetite, etc., with evidently a high fever, as he drank an inordinate amount of water. By the fourth day he seemed brighter and more sprightly, continuing to improve until he was completely recovered. A subsequent examination of the colonies used in the inoculation would seem to indicate that he may have received a larger proportion of *staphylococci* than of *B. pestis*.

Laboratory rat No. 6: Was injected subcutaneously at 10 p. m., June 6, with 1 c. c. of blood-stained "juice" from the spleen of Ah Loy. He was found very ill the following morning, his symptoms increasing in intensity until he passed into a semicomatose condition and died thirty-eight hours from the time of inoculation. The necropsy showed a right conglomerate inguinal gland enlarged to the size of an average lima bean and a left axillary gland of about half the size of the former, both

surrounded by tissues infiltrated with serous exudate; the heart, lungs, liver, kidneys, and spleen intensely congested; liver large and mottled with areas of gray to slate color; spleen reddish black and enlarged in all dimensions; mesenteric glands enlarged; no fluid in peritoneal cavity. Smears from gland and spleen all show enormous numbers of *B. pestis*.

Laboratory rat No. 7: Was injected hypodermatically at 3 p. m., June 15, with a c. c. of sterilized water in which had been macerated and triturated the spleen of a dead plague rat found in the vicinity of Beretania and Nuuanu streets. After passing through the various stages of indisposition and severe illness observed in the others, he was found dead on the morning of June 18. Necropsy showed right inguinal gland enlarged to 1.5 cm. long, 8 mm. wide, 5 mm. thick, surrounded by serous infiltration; spleen normal size, but almost black in color; all other organs moderately congested; liver slightly mottled. Smears were made from inguinal gland, spleen, kidney, liver, lung, and heart blood. The *B. pestis* was found, though few in number, in all, except kidney and lung, where it seemed to be entirely absent.

Suspicion having attached to the finding of an occasional dead rat in various localities, examinations were made upon a few sent to the laboratory, as follows:

Dead rat No. 1: Found in the vicinity of Nuuanu and Beretania streets; necropsy June 14. Inguinal glands on both sides very slightly enlarged; no axillary glands palpable; liver, large, mottled, congested; spleen congested; kidneys very dark red. Cover-slip smears from spleen show the *B. pestis* in large numbers, those from the inguinal glands, very few. Tubes planted from spleen—also laboratory rat No. 7 inoculated from spleen.

Dead rat No. 2: Found at Iwilei; necropsy, June 15; both inguinal and left axillary glands enlarged; liver, normal size and mottled; kidneys, rather pale; spleen, unusually large and congested. Gland and spleen smears show *B. pestis*.

Dead rat No. 3: Found near Nuuanu and Beretania streets; necropsy June 17; both inguinal glands slightly enlarged; spleen unusually large and thick, and reddish black in color; all other organs moderately congested. Spleen smears show *B. pestis* plentiful in spleen, very few in gland.

Dead rat No. 4: Found at fertilizer works, Kewalo; necropsy June 18. Glands normal size; spleen rather large and congested; all other viscera look normal except liver, which is slightly enlarged and contains externally a single small spot of a grayish color. Microscopical examination of smears from this rat were entirely negative as regards *B. pestis*.

Dead rat No. 5: Found near Chaplain lane; necropsy on June 18; no enlarged inguinal glands; spleen large and very dark color; all other organs rather pale. Smears from spleen negative as regards *B. pestis*.

Dead rat No. 6: This rat was caught in a trap, King street near river; large, well-developed male; seems perfectly healthy; chloroformed to death and necropsy made June 18; a right axillary gland thought to be slightly enlarged; spleen small, narrow, of a delicate pinkish red; lungs pinkish white; all viscera considered normal and healthy. Microscopical examination of smears entirely negative and sterile.

Dead rat No. 7: Found on Vineyard street near Nuuanu; necropsy, June 20, small size; no inguinal or axillary glands palpable; lungs, spotted with areas of congestion; heart, very dark red; liver, large, no mottling, and of normal color; spleen, unusually small and thin, but of

very dark color, nearly black. Smears from spleen show the *B. pestis*. While a few are typical most of them are unusually long, with frequently two joined together end to end.

Dead rat No. 8: This animal was a mouse, but is called "Rat No. 8," to include it in the series. Found in the neighborhood of Honolulu stock yards; necropsy, June 20. All viscera deemed about normal; spleen very small and of light pinkish red color. Spleen smears negative as regards *B. pestis*.

Dead rat No. 9: Also a mouse, found at Kewale government stables; necropsy, June 21; liver, mottled from grayish slate color to black; all other viscera congested, except spleen, which was very thin and small and red in color. Smears from spleen showed *B. pestis* certainly present, but very few in number.

Dead rat No. 10: Found dead in a trap, Nuuanu street near Judd, and accompanied by a live one; necropsy June 26. Under sized; has a lacerated wound in right epigastrium; thought to have been attacked and killed by his companion; all viscera seen, normal; spleen, pinkish red, small, and thin; no enlarged glands. Spleen smears negative, as regards *B. pestis*.

Dead rat No. 11: The companion of the above, a large, well-developed, healthy looking male, savage and vicious; killed by potassium cyanide; necropsy June 26. No enlarged lymphatics; liver, spleen, and kidneys deeply congested, with first two organs unusually large. Spleen smears negative in regard to *B. pestis*.

In regard to results obtained from implantations upon slants of the various culture media, without entering into repetition and uninteresting detail, it may suffice to say, that all tubes, with one or two exceptions of No. 2's, developed vigorous growths of colonies of *B. pestis*, but in several instances there were also found extensive colonies of pyogenic bacteria, a circumstance to be expected, as experienced in every epidemic of plague.

In concluding this report, it may be of interest to summarize what seems to me to be the latest and most authoritative facts and opinions deduced from the bacteriology of plague, gathered from various sources and from different parts of the world. It is true that on many points of lesser importance authorities still differ, and that there is yet much to learn concerning the disease, but the following, so far as it goes, may fairly be taken as a consensus of opinion among the leading investigators.

1. The bacillus of plague, outside of the animal body, is easily killed. Direct sunlight destroys its vitality in three to four hours. Thorough drying kills it in four days, and the temperature of boiling water in a few minutes. It is destroyed at once by a solution of corrosive sublimate of the strength of one to a thousand. A 1 per cent solution of carbolic acid or the same strength of lysol kills it in ten minutes. In ordinary tap water the bacilli die in three days and in sterilized water in eight days.

2. It can not enter the human body through the unbroken skin. It is not conveyed alive in the air in dust, as is the bacillus of tuberculosis. It enters the body either through slight wounds and scratches or through the medium of contaminated food or drink.

3. Bubonic plague is par excellence a filth disease. It thrives in dark, damp, and unsanitary surroundings, and the means for its extermination lie along the lines of good sewerage, healthful environment, with wholesome and cleanly living.

4. It kills by the deadly toxins, elaborated by the bacteria over-

whelming the vital powers, and for the successful treatment of which a satisfactory remedy is not yet discovered.

Respectfully,

J. T. McDONALD.
Bacteriologist.

C. B. COOPER, M. D.,
President Board of Health, Hawaii.

Supplementary report—Dr. J. T. McDonald, bacteriologist.

HONOLULU, H. I., September 4, 1901.

SIR: Since my last special report to the board on 4 cases of bubonic plague occurring in Honolulu, I have made 3 additional suspicious necropsies, and the following notes embody the bacteriological findings in connection therewith. They are to be regarded as supplementary to my post-mortem reports on the several cases already on file.

John Ili.—On June 25 at 2 p. m., at the morgue, I performed a necropsy on the body of John Ili, at the close of which I dissected out from the right inguinal region a firm conglomerate gland 2 by 3 by 1½ inches in size which I found surrounded by a large area of bloody serous infiltration. From a section through the center of the mass I made a number of cover-slip smears. I also made several from a section of the spleen, using instruments previously sterilized for the purpose. All these were stained with dilute Ziehl's carbol-fuchsin, which in my hands has proved more satisfactory than any other. Every one, without exception, showed the presence of the bacillus pestis, in numbers not so large as in some other cases, but amply sufficient, together with their morphology, etc., to establish their identity beyond the shadow of a doubt.

Laboratory rat No. 8: Was injected in the sacral region with half a cubic centimeter of bloody serum from the gland and its surrounding tissues.

Souichi Ogawa.—On July 5, at 9 a. m., I aspirated a left inguino-femoral bubo of Souichi Ogawa in his room, Hotel and Kekaulike streets, obtaining a few drops of blood-stained serum which I examined within half an hour, and found the bacillus pestis in large numbers. The patient died at 9 p. m., on the evening of the following day, and I performed a necropsy on his body at the morgue at 11 p. m. The bubo was dissected out; smears were made from a section in the interior of the inflamed gland, and also from the spleen. While all showed the *B. pestis*, those from the spleen in this case were more abundant. All were characteristic and typical.

Laboratory rat No. 9: Was injected in the sacral region with "juice" from the bottom of a beaker containing the gland and a piece of spleen.

John Pio.—At 5 p. m. on July 17 I aspirated a large bubo in the left inguino-femoral region of John Pio at his residence on Queen street near South and obtained a few drops of blood-stained serum from which smears were prepared at once and examined, all showing the *B. pestis*, but rather few in number. He died four hours later and the necropsy was made at 11.45 p. m. Smears from the spleen contained rather few of the *B. pestis*, but those from the gland section showed the bacilli in enormous numbers. Comparing the latter slides with those made from the aspirated serum, it would seem that the point of the needle had not properly entered a gland during aspiration, which was done under somewhat unfavorable conditions, the patient being wildly delirious and in constant motion. All slides from the gland of this patient were

remarkably satisfactory on account of the vast numbers of the bacilli present and their typical, characteristic features.

Laboratory rat No. 8: Injected from John Ili, died in three and a half days. Both spleen and glands showed the *B. pestis*; slides from the spleen, containing many so-called involution forms, increased in length and frequently forming chains of three or four.

Laboratory rat No. 9: Injected from Souichi Ogawa, soon became very ill and lived only twenty-four hours. Necropsy showed right inguinal gland as large as a small bean; no other glands palpable; the tissues surrounding the right inguinal gland are deeply infiltrated with bloody serum; all viscera intensely congested, but the spleen is disappointingly small, being about normal size, although reddish-black in color. All slides made from gland and spleen smears show *B. pestis* rather plentiful.

J. T. McDONALD, *Bacteriologist.*

H. C. SLOGGETT, M. D., *President Board of Health.*

"Report on case of Gosaburo Mazuki.

On June 6th, about 1.15 p. m., Dr. I. Katsuki called at the board of health office and reported the case of a Japanese who had died in Ishisakis' tenement house, just off South street and makai of the extension of Halekauwila. He regarded the case as suspicious and would not give a death certificate. He outlined the following history:

Patient's name, Gosaburo Mazuki; age, 24 years; a native of Fuku-woka Ken, Japan; profession, laborer.

The patient was first taken sick on June 3, in his room, after returning from work. I was called June 4 and saw the patient in bed. He was perfectly conscious, and said that he was suffering from some headache and had vomited several times. His temperature was 102.4° F. and his pulse was about 95. His tongue was slightly coated at the base and the center, and red at the margin and tip. Heart and lungs normal. Spleen slightly enlarged. I left some antipyretic powders and left the house. Next day about 5 p. m., I made a visit and found the patient's general condition much improved. Temperature, 99.4° F.; pulse, 85; tongue improved. He told me he felt a great deal better than at the time of my first visit, but complained of tenderness and pain at one of the lower chain of the left inguinal glands. On examination I found the gland quite swollen and tender on slight pressure. I asked him if he had had any venereal disease before and he said he had had a chronic gonorrhea. I did not examine his urine, as he could not pass any water at the time.

Next morning, June 6, I was suddenly called out at about 11.30 a. m., and found the patient already dead. I have learned from his friend who had been nursing him that he was quite delirious during the previous night and suffered considerable pain in his swollen gland.

I informed Dr. Katsuki that I would under the circumstances order a post-mortem.

I went at once to see Dr. Cooper, president of the board of health, and outlined the following plan which he approved:

1. Hold the post-mortem and make smears from gland, and if anything suspicious was found, quarantine the place with guards temporarily until the names, sex, and ages of all the people who lived in the house could be obtained.

2. Order them all to report each day at a certain hour for examination for fifteen days.

3. Close and seal the room where the man died until the place could be fumigated and disinfected.

4. Disinfect and fumigate the entire building, closets, and ground under and around building.

At 3 p. m. a post-mortem was held at the morgue and afterwards smears were made from the gland and spleen. At 4 p. m. Dr. McDonald reported to me that he had found a bacillus in the specimens which had all the peculiar staining properties and general morphology which differentiate it from other bacteria and mark it as the bacillus pestis.

Upon receipt of this report I at once directed C. Charlock to get 3 men from the deputy high sheriff and surround the house and get all the names, ages, and sex of all occupants of the house and order them to report there to me at 5 p. m. each day until further notice. Seal the door and windows of the room where the man died and allow nothing to be removed. I made arrangements with Dr. Cofer, U. S. Marine-Hospital Service, to have the body cremated at Quarantine Island.

At 8 p. m. Charlock reported that he had done as directed and furnished me with list of names.

In the morning started in fumigating. Made all the people hang up their clothes and effects on lines. Then each room was fumigated with formaldehyd gas, particular attention being paid to the room where the man died. The entire lodging house was left closed until the next morning, the people sleeping in lodging houses in the vicinity.

June 8, opened up all the rooms and removed clothing and effects and then sprayed the entire building inside and out and underneath and around the house with a 1-500 bichloride solution.

June 9, made the owner of building whitewash the entire inside of house before people returned, and later paint the outside.

For the entire fifteen days I saw the people every day at 5 p. m. and no case of sickness developed.

The following is the list of people kept under surveillance in the case of Gosaburo Mazuki, all residing in Ishisaki lodging house :

Room No.	Name of inmate.	Nationality.	Sex.	Age.	June 7.	June 8.	June 9.	June 10.	June 11.	June 12.	June 13.	June 14.	June 15.	June 16.	June 17.	June 18.	June 19.	June 20.	June 21.	June 22.
9....	X Ishisaki	Japanese.	M.	33	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Lee Yin	Chinese ..	M.	43	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Fun Tai	do	F.	16	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
10....	Ah Chong	do	M.	44	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	On Gow	do	F.	30	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Ah Moo	do	M.	10	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Ah Chin	do	M.	6	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Ah Seu	do	F.	8	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
11a....	Sika	Japanese.	F.	32	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
12....	Murakami	do	M.	36	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Taki	do	F.	38	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Ikata	do	M.	35	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
13....	Matsumoto	do	M.	38	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Fugita	do	M.	31	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Kechi	do	F.	31	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Matsuyo	do	F.	11	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Koray	do	M.	9	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
14 a....	Okuma	do	M.	35	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Koga	do	M.	25	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
14....	Yoshida	do	F.	33	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Huratsi	do	M.	40	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Kamamoto	do	M.	25	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Koma	do	F.	22	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
15....	Sato	do	M.	25	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Natsu	do	F.	22	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
16....	Akamatsu	do	M.	27	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Turu	do	F.	29	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Hatsu	do	F.	63	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Meoshi	do	M.	39	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Toyo	do	F.	36	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
17....	Seyo and baby	do	F.	29	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
18....	Nishimura	do	M.	28	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Tatsu	do	F.	23	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Dehai	do	M.	c14	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Tominaka	do	M.	39	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Tomo	do	F.	35	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
19....	A Tamil	do	M.	31	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Turu	do	F.	30	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Takenaka	do	M.	27	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
	Maki and baby	do	F.	20	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.

a Empty.

b Three months.

c Fourteen months.

Post-mortem report.

Post-mortem performed June 6, 1901, 3 p. m., on the body of Gosaburo Mazuki, Japanese, male, 24 years; place of birth, Japan; place of death, off South street; duration of last illness, three days.

General appearance.—Body of a well-developed and well-nourished Japanese, 5 feet, 2 inches long. Rigor mortis firm. Hypostatic lividity well marked on back and slight on anterior aspect where there is tendency to mottling. No wounds or signs of violence. On turning body, a dirty fluid flows from mouth and nose; pupils slightly dilated; plaster on back; no scars or identifying marks. On inspection left inguinal region judged to be rather full and swollen; on palpation, the glands are felt to be considerably enlarged with surrounding tissues infiltrated. One or two right inguinal glands slightly enlarged. On opening body, all organs in normal relations and body still warm.

Heart.—Slight excess of pericardial fluid. Organ about normal size; right ventricle full of black clots; pulmonary valves and artery healthy; right auricle full of black clots; tricuspid valve healthy; black clots in left ventricle; mitral valve, aortic arch and valve healthy; entire myocardium somewhat paler than normal.

Lungs.—Left : No pleuritic or effusion ; surface of entire organ dark purplish color ; diminished crepitation ; section shows a blood stained serous exudation in all parts ; entire lung engorged. Right : No adhesions ; no exudation ; organ full and large ; color same as left ; excessive serous (bloody exudation in all parts on section ; beginning consolidation in lower lobe).

Intestines.—No peritoneal fluid ; mesenteric glands enlarged ; appendix normal. Entire tract of normal aspect.

Kidneys.—Left : Normal size ; capsule strips easily ; cortex thin ; section paler than normal. Right : Same as left.

Glandular system.—Spleen : Normal size and color, moderately firm ; section paler than normal. Liver : Slightly increased in size ; section rather pale.

Remarks.—Inguinal glands dissected out for microscopical study ; also piece of spleen saved.

Present, executive officer, Dr. Pratt ; also Drs. Bahrenburg and Wilson of the U. S. Marine-Hospital Service. Post-mortem performed by J. T. McDonald, M. D.

Report on case of Gang Moon.

On June 10, at 7.45, upon my usual visit of inspection to the people under surveillance in the case of Ah Loy, who died on the Queen Emma Hall premises, I noticed that Gang Moon, the Chinese storekeeper, seemed to have a fever and did not look well. Decided to return later in the day and watch him. At about 10.30, just as I was about to start to see him, Dr. Kobayashi reported that he had been called to see the case, and that he was suspicious of it. I told the doctor that I would advise starting in at once with the antipest serum and would bring some to his office. Called on Dr. Cofer and got a supply of serum, and took Dr. Cofer to Dr. Kobayashi's office so that he could go with him and see the case. Then reported to Dr. Cooper.

In the afternoon put 2 guards on place to keep people from leaving. Three were found to be away—2 at work and 1 at school.

Received telephone at 3 p. m. from Dr. Mori that patient was worse. At about 4 saw the patient. He was then delirious, and it was impossible to take temperature. Pulse very rapid and weak ; hands constantly seeking bubo.

Made all arrangements to send other people to Kalihi camp for quarantine. Put work of removal into hands of Charlock. Reported names and occupation of 3 missing to deputy sheriff, who at once put a police officer on in search of the parties, but he was unable to find them. At 5.30 removed all except one man to Kalihi camp and left this man to look after patient. At 7.30 found patient much worse and sinking rapidly. As man left, would not look after patient, sent him to Kalihi camp to join others, and remained with patient. At 10.30 p. m. patient died. Had body removed to the morgue at once and at 11.45 p. m. post-mortem was begun. (For report of post-mortem see Dr. McDonald's report.) Made arrangements to cremate body and this was done at 4 a. m. The 11th being a holiday, was unable to disinfect the goods left in house.

The 12th, started men at work disinfecting and fumigating. This was finished on the 14th and the goods taken to Aala warehouse for storage. Burned effects in room where Gang Moon died. The agents of the owner were seen and have promised to tear down the buildings and burn the lumber.

The people who were put in quarantine were Mong Yit, Wong Young, Wab Yin, Sing She, Ah Look, and Yau Kom. They were all bathed and their effects fumigated. Inspection of them was kept up daily until June 25 when they were released from quarantine.

From these people I learn that Gang Moon nursed and looked after the Corean, Ah Loy, who died June 4, and there is just a chance that he have become infected from this source.

Post-mortem report.

Post-mortem performed June 10, 1901, at 11.45 p. m., on the body of Gang Moon, Chinese, male; age, about 50 years; place of birth, China; place of death, Queen Emma Hall yard; duration of last illness, fifteen hours; necropsy, performed by Dr. J. T. McDonald, assisted by executive officer, Dr. Pratt. Notes by Dr. Garvin.

General appearance.—Body of a well-developed, well-nourished male, Chinese, 5 feet, 10 inches long; rigor mortis firm about jaws and beginning in limbs; body still warm; no wounds or scars; very slight dorsal hypostasis; slight dilation of pupils. Left inguinal region is seen to be full and swollen over an area 3 to 5 inches in diameter; on palpation is found an inguinal gland enlarged to size of walnut with infiltration of surrounding tissues. On opening body, over an inch of adipose on section over abdomen.

Heart.—Slight pericardial fluid; organ seems rather small; very firm; systolic contraction in left ventricle; beginning arterio-sclerosis in aortic arch, otherwise entire organ seems perfectly healthy; no clots whatever.

Lungs.—Nothing abnormal nor noteworthy in either.

Glandular system.—Spleen: Normal size and color; rather soft; section perhaps slightly congested; pulp slightly softened. Liver: Normal size; external surface mottled with cream-colored areas, a section through which shows them extending into the substance of the organ from $\frac{1}{2}$ to $\frac{1}{2}$ inch.

Kidneys.—Left: About normal length, but thicker than usual and rather ill-shaped; surrounded by a mass of fat; capsule strips easily; section shows some congestion and large areas of clear fat toward the pelvis. Right: In about the same condition.

Intestinal tract.—Shows nothing abnormal; no fluid; appendix healthy; great quantities of omental mesenteric fat; no glands observed enlarged.

Remarks.—Inguinal gland dissected out, which, with a portion of the spleen, was saved for microscopical study.

History in case of John Ili.

On the morning of June 20 Dr. G. W. Burgess reported at the board of health office that he had a patient, John Ili, sick at relief camp No. 2, on Vineyard street. Patient had been sick five days. Had a temperature of 102.4° F., pulse 120. In right inguinal region had a well-defined bubo. No history of syphilis nor any cuts on body. Only the man's wife and a small girl in same room.

Directed him to watch the case and report to me later. Next day he reported to me that the temperature was 99.4° F. and pulse 99. On the 22d, no new developments.

On the 23d Dr. Burgess reported that he had made an incision and opened the bubo, which had begun to suppurate.

On the 24th patient was delirious and had torn off the dressings, and had also, contrary to directions, eaten quite heartily.

On the 25th, finding the patient much worse and not receiving proper attention, he sent him to the Queen's Hospital.

At about 12 o'clock Dr. Cooper reported to me that while he was at the hospital a native was brought there in a hack and had died within five minutes. Upon asking the name, found it was the same man that Dr. Burgess had sent there. Dr. Cooper directed that a post-mortem and bacteriological examination be made. At 2.15 a post-mortem was held. The following is Dr. McDonald's report:

Post-mortem report.

Post-mortem performed on the body of John Ili, June 25, 1901, at 2.15 p. m. Post-mortem performed by J. T. McDonald, M. D.

General appearance.—Body of a well developed and well nourished elderly Hawaiian, male, 5 feet 7 inches long; rigor mortis general; dorsal hypostasis; iron gray hair; several old scars in cervical region, evidently from suppurating lymphatics; right inguinal region swollen with greatly enlarged glands and surrounding infiltration; swelling contains an incision about an inch long from which exudes a clear serum; whole region covered with a gray unguent, evidently antiphogistine; slight purulent discharge from meatus; no enlarged glands on opposite side or in axillæ. On opening body, all organs in normal relations; nearly an inch thickness of fat in abdominal section; intestines distended with gas and rise out of abdomen.

Heart.—Pericardium contains moderate amount of bloody serum. Heart larger than normal. White clots in R. ventricle, extending into P. artery. P. artery and valves, healthy; R. auricle contains small black clots. Tricuspid, fairly normal. Great hypertrophy of L. ventricle. Small black clots in left ventricle and auricle. Mitral, fairly normal; white clots in aortic arch; arterio-sclerosis throughout; small areas of calcification; aortic semilunars, same condition as intima of the arch. Myocardium slightly pale, soft, and friable.

Lungs.—Left: Slight adhesions; no exudation; entire lung slightly congested in most dependent portion of lower lobe, is a hard mass the size of a hen's egg, which on section shows a firm solid tumor, of a yellowish red tinge, and considered to be a syphilitic gumma. Right: Firm pleuritic adhesions; organ removed with great difficulty and consequent mutilation; pleural cavity completely obliterated. Entire lung slightly congested and contains another nodule the size of an English walnut, and of same character as first.

Kidneys.—Left: Normal size; capsule, firmly adherent; section, pale in color, as is also the external surface. Right: Same as left.

Glandular system.—Spleen: Smaller than normal; very soft and mushy; on section, pulp almost runs. Liver: Larger than normal; external surface covered with pale mottling; section rather soft, hyperæmic.

Intestinal tract.—Normal.

Remarks.—A section into the groin shows all glands united in a hard conglomerate mass 2 by 3 by 1½ inches in size. Entire mass dissected out for further examination. Took the usual precautions in regard to

fumigation and disinfection and directed that the following persons report at 7.45 a. m. for fifteen days :

Name.	June 26.	June 27.	June 28.	June 29.	June 30.	July 1.	July 2.	July 3.	July 4.	July 5.	July 6.	July 7.	July 8.	July 9.	July 10.
Ah Fat	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Kiola	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Kalani	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Aukai	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Helen Simeon	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.

After the post-mortem I had the body cremated. As to the origin or source of infection in this case absolutely no clue whatever could be obtained. As the history was not as clear as in other cases, the decision was made not to make a positive diagnosis until the result of the bacteriological examinations and experiments with rats had been fully carried out.

The results of these examinations were that it was a case of bubonic plague. (See Dr. McDonald's report.)

Report on case of Souichi Ogawa.

On July 5, at about 8.30 a. m., received a call from Dr. Haida, who reported the case of a Japanese, sick at the corner of Hotel and Kekaulike streets.

Japanese had been sick since July 2, but he had only been called the afternoon of July 4. Found the patient with a temperature of 103° F.; pulse 120, with a well-defined bubo in left inguinal region. No history of chancre and no cuts on body. Had called Dr. Katsuki in consultation and the both decided the case as suspicious. He requested that I visit the patient.

As soon as I could get my things together, antipest serum syringe, etc., we started calling on the way for Dr. McDonald.

Found patient with temperature of 101.2° F. and pulse 120. After cleansing the bubo, inserted a hyperdermic needle and obtained a few drops from bubo. Returned to Dr. McDonald's office and made some smears, and, after an examination of them, decided the case was suspicious.

Returned at 10 a. m. and gave an injection of 50 c. c. antipest serum. At 4 p. m. patient's temperature 102.2° F., pulse 120; gave another dose of 50 c. c. antipest.

Saw the patient at 8 p. m. and he did not appear as well. Temperature 103° F., pulse 120. Patient somewhat delirious. Gave another injection 50 c. c. antipest.

July 6. Patient not as well at 9 a. m. and showed symptoms of the lungs becoming affected. The bubo somewhat softer and the surrounding tissue not as infiltrated. Temperature 104.4° F., pulse 140. Gave another injection of antipest 50 c. c.

At 12 o'clock the temperature was 103.3° F. and the pulse 128. Was delirious.

At 4 p. m., temperature 104° F. and pulse 140. Patient rational. Gave one more injection of 50 c. c. antipest.

In the morning the pulse was very rapid and weak; started stimulation with hyperdermics of strychnia.

Saw patient again at 8 p. m. and found him delirious, so that it was

impossible to get temperature; pulse was not perceptible, and the patient was evidently dying, so remained, and at 8.30 the patient died. Ordered people not to remove anything until my return. Went at once to the undertaker to have him remove the body to morgue for post-mortem. Called on Dr. McDonald to take him to the morgue to make post-mortem. Telephoned Charlock to come to the office. Notified Dr. Cofer, who came to see post-mortem. When Charlock arrived, directed him to go to the house and get names of all the people and ordered them to report at 9 a. m. the next morning for inspection. Directed him to tell them that I would have the place fumigated and disinfected the next morning. (For result of post-mortem see Dr. McDonald's report.)

Post-mortem report.

Post-mortem performed at 11 p. m., July 6, 1901, on the body of Souichi Ogawa, male. 23 years; died July 6, 1901; place of birth, Japan; place of death, Hotel and Kekaulike streets; duration of last illness, four days. Attending physician, Dr. K. Haida. Post-mortem performed by J. T. McDonald, M. D.

General appearance.—Body of a well-developed and well-nourished Japanese, 5 feet 2 inches long; rigor mortis well established; slight dorsal lividity; no wounds or marks of violence; no scars or other distinguishing marks; the left inguino femoral region is unduly full and on palpation is found a conglomerate swollen gland the size of an English walnut with abundant infiltration of surrounding tissues with a sodden, boggy feel. The glands and region of the opposite side are fairly normal; no enlarged axillary glands. On opening the body all viscera found in normal relations with 8 to 12 ounces of fluid in peritoneal cavity.

Lungs.—Left: No pleuritic effusion and very slight adhesions. Entire organ is congested and engorged, especially in lower lobe. Right: No adhesions or effusion and organ is in about same condition as left.

Heart.—Slight excess of fluid in pericardial sac. Both white and black clots in right auricle; no clots in other cavities; all valves, aortic arch, and myocardium healthy in appearance.

Intestines.—Enlarged mesenteric glands abundant throughout entire tract; appendix normal; nothing noteworthy in appearance of gut.

Glandular system.—Spleen: Enlarged and heavier than normal; rounded borders; pulp about normal firmness; slightly congested. Liver: About normal size; mottled with grayish areas. Section, nothing noteworthy.

Kidneys.—Left: Normal size and appearance. Capsule slightly adherent; section normal with a possible slight acute congestion. Right: About the same.

Brain and nervous system.—Head not opened.

Remarks.—Swollen gland dissected out and saved along with a piece of spleen for further examination and study.

Necropsy made by Dr. J. T. McDonald, assisted by Executive Officer Pratt, Dr. Cofer of the U. S. Marine-Hospital Service, and Dr. K. Haida, late medical attendant upon the subject. Notes by Charlock.

Charlock returned with the following list of names:

Name.	Age.	July 7.	July 8.	July 9.	July 10.	July 11.	July 12.	July 13.	July 14.	July 15.	July 16.	July 17.	July 18.	July 19.	July 20.	July 21.
Nario.....	40 years....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Asawo.....	24 years....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Cho and baby.....	24 years(a)	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Matui.....	30 years....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Sataka.....	35 years....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Toromura.....	do.....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Ogawa.....	26 years....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Yoshi.....	24 years....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Yamasaki.....	21 years....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.

a 24 years and 2 months.

Arranged for cremation of body, which was done about 3 a. m., the 7th. Next morning saw all the people at 9 a. m. and directed that they put up lines and hang up their clothes, and that at 11 a. m. I would return and fumigate. At 11 a. m. returned with City Sanitary Officer Tracy and corps of men. Instructed him as to what to do, following out the same lines as we had done in the other cases.

The house was of tongue and groove, and a new house, so that it was much easier than some of the others. Used formalin generator and sealed the room for twenty-four hours, the people in the meantime occupying rooms in another part of the building. Each one took a bath and put on new clothes, the clothes they had been wearing being put in the rooms to be fumigated.

In regard to the history of this man. He had formerly worked about two months ago at the Pacific Club, but since that time had worked at the New England Bakery on Hotel street, occupying a small room in this building. On the day he was taken sick he removed to where he died. In his rational moments he could give no history of seeing any rats dead or alive about the New England Bakery premises.

A dead rat was found in an adjoining yard by one of the inspectors on July 2. Upon examination this was found to be infected. It was about 100 feet from the New England Bakery proper. The room the man occupied was dark and insanitary and right near the ground. No signs of rat holes or rats were found in the room, but it was just such a place as rats would like to go. This room has also been thoroughly cleaned and renovated. The man ate at the bakery until he was taken sick, occasionally in the evenings having a feast of Japanese food with his brother.

In this case I am inclined to the theory of infection from rats or fleas rather than from any food he might have eaten.

The nearest cases of plague last year were 2 cases at the Pantheon Saloon about 150 feet from the New England Bakery, and one case on King street about 300 feet from the house he moved to.

History of John Pio.

July 16, about 11 p. m. received telephone from Secretary Charlock that he had been notified by Dr. Wayson that Dr. Hodgins had called him in consultation to see a native who was sick on Queen street, and they both made a diagnosis of bubonic plague. Temperature, 106° F., pulse, 120. And a well-defined bubo in left femoral region. Patient complained of headache and had been vomiting that day every time he ate anything.

Saw the patient at 12.30 a. m., July 17, and found temperature, 104°F., pulse, 110. Patient was delirious. Gave injection of 50 c. c. antipest serum.

July 17, at 9 a. m. Saw patient again with Drs. Hodgins and Cofer. Temperature, 102° F., pulse, 130. Pulse weak and intermittent. Gave 50 c. c. of antipest serum; also started stimulating with brandy. Gave hypodermic 1-40 of strychnia and 10 minims of digitalis.

At 1 p. m. patient had temperature of 104° F., pulse 130, and still weak notwithstanding the stimulation. Gave 50 c. c. more of antipest; also hypodermic of strychnia and digitalis. Brandy every hour.

At 5.15 patient was so much worse that decided it was of no use to continue the injections of serum.

Returned at 7.30 p. m. and found patient much weaker and delirious. At about 8 p. m. became violent so that 2 people had to hold him. Gradually grew weaker and at 9.15 p. m. he died. Telephoned for the undertaker and had body removed to the morgue. Had Charlock seal up the house and made people take a bath and put on clean clothes that had not been in the house.

Dr. McDonald's report on the post-mortem is as follows :

Post-mortem report.

Post-mortem performed July 17, 1901. at 11.45 p. m. on the body of John Pio; male; Hawaiian; age, 27 years; died Queen street makai below South street; duration of last illness, three days. Attending physicians, Drs. Wayson, Hodgins, and Pratt. Post-mortem performed by J. T. McDonald, M. D. Notes by C. Charlock.

General appearance.—Body of a well-developed and well nourished Hawaiian, 5 feet, 9 inches long; no emaciation or other evidences of prolonged illness; no wounds or marks of violence; no scars or other identifying marks; slight dorsal lividity; rigor mortis firm; left inguino-femoral region as compared with the opposite side is seen to be swollen and cedematous over an area of about 12 by 8 centimeters in extent; on palpation a conglomerate gland is found firm and hard, irregularly oval shaped, about 4 or 5 centimeters in length by 3 or 4 centimeters in breadth, with surrounding tissues of a boggy feel; on opening the body all organs found in normal relations and still warm.

Lungs.—Left: Firm pleuritic adhesions quite extensive; diminished crepitation in all parts; both lobes acutely congested; in a state of inflammatory engorgement; a bloody serous fluid oozing from all sections. Right: Entirely clear as regards effusions and adhesions; diminished crepitation in all parts and sections present about the same conditions as notes in the left.

Heart.—No excess of fluid in pericardial sac; organ about normal size; right ventricle contains a large white fibrinous clot, also small black clots; black clots in right auricle; tricuspid healthy; pulmonary artery and valves normal; slight hypertrophy of left ventricle; no clots on left; mitral, aortic semilunars, and ascending portion of arch normal; myocardium fairly normal.

Intestinal tract.—No peritoneal fluid; appendix normal; entire gut looks normal; forgot to look for enlarged mesenteric glands until too late.

Kidneys.—Left: Five by 2½ by 1½ inches; capsule adherent; section shows acute congestion. Right: In about same condition.

Glandular system.—Liver: Slightly enlarged; normal color but mottled with gray areas which on section are found to extend inward a half cen-

timeter and less. Spleen: $4\frac{1}{2}$ by 3 by $1\frac{1}{2}$ inches; about normal in color except rather pale in spots; section shows pulp firm with congestion.

Remarks.—Gland dissected out and saved, along with a piece of spleen for further examination and microscopical study.

Body sent to the crematory after post-mortem. Ordered all the people to report at 11.30 every morning.

The following is the list of names that had to report:

Name.	July 18.	July 19.	July 20.	July 21.	July 22.	July 23.	July 24.	July 25.	July 26.	July 27.	July 28.	July 29.	July 30.	July 31.	Aug. 1.
Thomas McLain.....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Mrs. Thomas McLain.....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Pua.....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Luka.....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Malani.....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
John.....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Beke.....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Pio.....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.
Mrs. Pio.....	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.	P.

July 18. started Tracy at work to fumigate the house and grounds. Used in this case sulphur fumigation and sulphuric acid and bichloride disinfection. Burned mattresses and pillows and soaked sheets, etc., in 1-300 solution bichloride, and then boiled them. House remained closed and sealed twenty-six hours from time fumigation was started.

The results of the bacteriological examination are contained in the report of Dr. McDonald.

No dead or live rats were found about the place. The man worked for T. H. Davies & Co.—in their warehouse on Richard street. His position was that of shipping clerk.

The nearest a case occurred to this place last year was distant about 800 to 1,000 feet. The general sanitary condition of the premises was good and there was sanitary plumbing in the house.

Within the past two weeks 6 dead rats have been found in the Davies warehouse, and I am inclined to believe that it was there that the man got his infection.

General remarks.

As regards the source of infection, in all the cases I have tried to get some clue as to the possible source, but so far have met with no success. This is largely due I think to the nationality of the people. They do not seem to be able to grasp the idea of what one is trying to find out, and my experience has been that if too many questions are asked they at once become suspicious and think that you are trying to find out things so as to make trouble for them.

Man Sing was the owner of several hacks. His most intimate friends were the ones that looked after and nursed him, yet they were unable to give any idea as to his movements, where he went or what he ate. He told me before he died that he had seen no rats about the place. No dead rats were found on the premises and a careful search failed to reveal any in the entire block or in the neighborhood. The nearest place to this where a case of plague occurred last year was at the corner of South street and Kawaiabao Lane, fully 600 feet away.

In the case of Ah Loy who was found dead, the people living in the same yard professed to know nothing about the man, claiming that

until he was taken sick they saw hardly anything of him. His occupation was that of janitor in Queen Emma Hall yard, and it might have been that in the course of cleaning up the yard he may have found some dead rats and handled them. Dead rats found to have plague bacillus were found in a yard across the street from Queen Emma Hall yard. About 20 have been found there. The nearest cases of last year were both about 250 feet distant, one a Chinaman, Nuuanu and Beretania ewa mauka corner, the other a Japanese, on Nuuanu just mauka of Beretania on the Waikiki side. As to what food he ate, no information could be obtained. No dead rats were found about the premises.

In the case of Gosaburo Mazuki no information could be obtained. The man was a carpenter and had worked all over the city. The last place he worked at was putting up a building on the ewa side of South street the second lot above Kawaiahao. This lot adjoins a lot at present vacant where last year there was a case of plague. The house on the lot was burned and the sun and air have had over a year at the ground, so that it does not seem possible that any bacilli have lived since last year. His food was of the usual Japanese variety.

Gang Moon was a storekeeper by occupation. Right underneath his bed was a large rat hole leading down underneath the building. No dead rats were found about the place, but some live ones were heard in the ceiling the night he died. The people there could give no information as to rats or other things which would aid in tracing out the source of infection. I found out after his death that the Corean who died in another part of the house had been nursed by Gang Moon. Whether he became infected from taking care of Ah Loy or from rats or food it is impossible to say, but I am strongly inclined to the theory that he became infected from rats or from fleas from an infected rat. The floor of this building is right on the ground, so that it is impossible to tell whether or not there are any dead rats under the building until after the building is torn down which the agent of the owner expects to do shortly.

In the case of John Ili no clue whatever could be obtained. The man in charge of relief camp No. 2 informed me that he had not seen any rats about the camp either dead or alive.

Souichi Ogawa worked at the New England Bakery and up to the time he was taken sick occupied a small room at one side of the main building. This room had no light or air and was in a very insanitary condition. The floor was right on the ground. No rats were found about the premises, but about 100 feet ewa of this a dead rat was picked up by one of the inspectors, which upon examination proved to be infected.

In the case of John Pio the source of infection could not be positively determined, but I am of the opinion that in this case we were able to get nearer the mark than in any of the others.

In Davies & Co.'s, warehouse, where he worked, the man who was in charge informs me that for a week previous to the time Pio was taken sick they had found dead rats in the warehouse, and on the morning he was taken sick 6 were found and taken out and burned. He also informed me that previous to this time they had never found any dead ones. They had seen live rats which had so little life in them that they had no trouble in killing them. Whether Pio handled any rats or not I was unable to find out.

J. S. B. PRATT,
Executive Officer, Hawaiian Territorial Board of Health.

Quarantine transactions of the Hawaiian Islands for the month of August, 1901.

HONOLULU, H. I., September 5, 1901.

SIR: I have the honor to transmit the following report of quarantine transactions in the Hawaiian Islands for the month of August, 1901:

PORT OF HONOLULU.

Number of vessels inspected—	
From foreign ports.....	15
From domestic ports.....	27
Number of passengers inspected—	
Cabin.....	1,338
Steerage.....	2,073
Number of crew inspected.....	3,589
Number of sick in detention from last month.....	0
Number in detention from last month.....	12
Number of sick in detention for this month.....	0
Number in detention for this month.....	312
Number of pieces of baggage disinfected.....	432
Number of packages of freight disinfected.....	10

PORT OF HILO.

Number of vessels inspected.....	3
Number of passengers inspected.....	23
Number of crew inspected.....	0
Vessels remanded.....	0

PORT OF KAHULUI.

Number of vessels inspected.....	1
Number of passengers inspected.....	18
Number of crew inspected.....	1
Vessels remanded.....	0

PORT OF KIEHI.

Number of vessels inspected.....	0
Number of passengers inspected.....	0
Number of crew inspected.....	0
Vessels remanded.....	0

PORT OF LAHAUIA.

Number of vessels inspected.....	1
Number of passengers inspected.....	10
Number of crew inspected.....	0
Vessels remanded.....	0

PORT OF KOLOA.

Number of vessels inspected.....	0
Number of passengers inspected.....	0
Number of crew inspected.....	0
Vessels remanded.....	0

Respectfully,

L. E. COFER,
Passed Assistant Surgeon, U. S. M. H. S.,
Chief Quarantine Officer, Hawaiian Islands.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

HONDURAS.

*Report from La Ceiba—Fruit port.*LA CEIBA, HONDURAS, *September 15, 1901.*

SIR: I have to make the following report of the conditions and transactions at this port during the week ended September 14, 1901:

Present officially estimated population, about 3,000. Number of cases and deaths from yellow fever during the week, none; number of cases and deaths from smallpox during the week, none; number of cases and deaths from typhus fever during the week, none; number of cases and deaths from cholera during the week, none; number of cases and deaths from plague during the week, none; number of deaths from other causes during the week, none. Prevailing disease, malarial fever. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health were issued to the following vessels: September 9, steamship *Breifond*; crew, 15; passengers from this port, none; passengers in transit, none; pieces of baggage disinfected, none. September 11, steamship *Ely*; crew, 20; passengers from this port, none; passengers in transit, none; pieces of baggage disinfected, none. September 12, steamship *Sunniva*; crew, 13; passengers from this port, none; passengers in transit, none; pieces of baggage disinfected, none.

Respectfully,

R. H. PETERS,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

*U. S. Marine-Hospital Service.**Report from Puerto Cortez—Fruit port.*PUERTO CORTEZ, HONDURAS, *September 17, 1901.*

SIR: I have to make the following report of the conditions and transactions at this port during the week ended September 17, 1901:

Population, according to census of 1896, 1,856; present officially estimated population, 2,000. Number of cases and deaths from yellow fever during the week, none; number of cases and deaths from smallpox during the week, none; number of cases and deaths from typhus fever during the week, none; number of cases and deaths from cholera during the week, none; number of cases and deaths from plague during the week, none; number of deaths from other causes during the week, none. Prevailing disease, malarial fever. General sanitary condition of this port and the surrounding country during the week, very good.

Bills of health were issued to the following vessels: September 11, steamship *S. Oteri*; crew, 35; passengers from this port, 17; passengers in transit, 4; pieces of baggage disinfected, 25. September 14, steamship *Adria*; crew, 15; passengers from this port, none; passengers in transit, none; pieces of baggage disinfected, none; steamship *España*; crew, 14; passengers from this port, 3; passengers in transit, none; pieces of baggage disinfected, none.

Respectfully,

SAMUEL HARRIS BACKUS,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

ITALY.

Report from Naples.

NAPLES, ITALY, September 16, 1901.

SIR: I have the honor to report that for the week ended September 14, 1901, the following ship was inspected:

September 12, the steamship *Citta di Torino*, of the Veloce Line, bound with passengers and cargo for New York. There were inspected and passed 749 steerage passengers and 220 pieces of large baggage. Nine hundred and fourteen pieces of baggage were disinfected by steam.

Smallpox.

During the week ended September 14, 1901, there were officially reported at Naples 57 cases of smallpox, with 6 deaths.

Plague in Egypt.

Under date of September 9, 1901, it was reported that there were 7 cases of bubonic plague in Egypt, 4 at Mit Gamr, 2 at Alexandria, and 1 at Port Said. Since April 7, 1901, the beginning of the epidemic, there have been in all 141 cases, with 66 deaths.

Respectfully,

J. M. EAGER,

Passed Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

Further concerning plague in Naples.

[Cablegram.]

NAPLES, ITALY, October 1, 1901.

Acting under your instructions. There have been 15 Naples plague since September 7.—EAGER.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

MEXICO.

Report from Progreso concerning the Ethelbryhta.

PROGRESO, MEXICO, September 10, 1901.

SIR: In reply to your communication of August 24, containing a communication from Dr. Doty in regard to the death of a member of the crew of the steamship *Ethelbryhta*, upon arrival in quarantine in New York, will state that the bill of health of the *Ethelbryhta* was issued on August 14, and at that time no case of sickness of any class was aboard. The vessel did not sail until the next day on account of delay in delivery of cargo.

A supplemental bill of health was issued, as the original was issued in Tampico.

At the time of leaving of this vessel there was the steamship *Mathilde* at the adjoining wharf, about 100 yards away, with 1 case of yellow fever aboard, as was reported in my letter of August 16.

The *Ethelbryhta* may have become infected in Tampico with the prevailing paludic infection or might have contracted it in this port.

The steamship *Mathilde*, that had the yellow fever cases aboard while

the *Ethelbryhta* was in this port, also was from Tampico via Vera Cruz, and I am certain that the infection of the *Mathilde* was not contracted here, as the time of the beginning of the sickness was six days after arrival, while the vessel was anchored about 3 miles offshore (no member of the crew having been ashore).

Respectfully,

S. W. HODGSON,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

NICARAGUA.

Report from Bluefields—Fruit port.

BLUEFIELDS, NICARAGUA, *September 19, 1901.*

SIR: I have to make the following report of the conditions and transactions at this port during the week ended September 18, 1901:

Population, according to census of 1894, 3,000; present officially estimated population, 4,000. Number of cases and deaths from yellow fever during the week, none; number of cases and deaths from smallpox during the week, none; number of cases and deaths from typhus fever during the week, none; number of cases and deaths from cholera during the week, none; number of cases and deaths from plague during the week, none; number of deaths from other causes during the week, 2. Prevailing diseases, mild type of malarial fever and dysentery. General sanitary condition of this port and the surrounding country during the week has been good. The 2 deaths herein above noted occurred in this port, viz, a colored male aged 8 years, from malarial fever, and a Chinaman, aged 48 years, from abscess of liver. Twenty-one inclosures—ship and passenger certificates.

Bill of health was issued to the following vessel: September 13, steamship *Hiram*; crew, 15; passengers from this port, 20; passengers in transit, none; pieces of baggage disinfected, 39.

Respectfully,

WM. H. CARSON,

Acting Assistant Surgeon. U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

NOVA SCOTIA.

Smallpox at Halifax on the schooners Thalia and Goodwin.

[Telegram.]

WASHINGTON, D. C., *September 24, 1901.*

The following telegram was received yesterday from United States consul-general at Halifax: "Schooner *Thalia*, 7 more cases smallpox, 1 died. Schooner *Goodwin* arrived, 2 cases. Schooner in quarantine; crew landed."

DAVID J. HILL,

Acting Secretary.

HON. SECRETARY OF THE TREASURY.

Another case of smallpox on the schooner Goodwin—One case also on the the schooner Essex.

WASHINGTON, D. C., September 28, 1901.

SIR: I have the honor to inform you for the information of the U. S. Marine-Hospital Service, that a telegram of the 27th instant has been received from the vice-consul-general at Halifax, which reads as follows, viz, "Schooner *L. M. Goodwin*, 1 more case of smallpox. Schooner *Essex* arrived; 1 case do.; schooner in quarantine; crew landed."

Respectfully,

DAVID J. HILL,
Acting Secretary.

HON. SECRETARY OF THE TREASURY.

PHILIPPINE ISLANDS.

Report from Manila—Plague diminishing.

MANILA, P. I., August 14, 1901.

SIR: I have the honor to report that the number of cases of plague shows a slight diminution for the week ended August 10, 1901, 6 cases with 3 deaths, all Filipinos, having occurred. During the same period there was 1 case of smallpox.

Respectfully,

J. C. PERRY,
*Passed Assistant Surgeon, U. S. M. H. S.,
Chief Quarantine Officer for the Philippine Islands.*

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

Mortality of Manila for the week ended July 27, 1901.

MANILA, P. I., August 21, 1901.

SIR: I have the honor to report that 6 cases of plague with 5 deaths, distributed as follows: Chinese, 2; Filipinos, 2; Spaniards, 2, were reported in Manila for the week ended August 17, 1901. No smallpox occurred during this period, and there were 129 deaths from all causes.

Respectfully,

J. C. PERRY,
*Passed Assistant Surgeon, U. S. M. H. S.,
Chief Quarantine Officer for the Philippine Islands.*

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

Outgoing quarantine at Manila for the two weeks ended August 17, 1901.

MANILA, P. I., August 15, 1901.

SIR: I have the honor to submit report of quarantine transactions of outgoing boats for the week ended August 10, 1901, as follows:

Number of vessels inspected.....	38
Number of pieces of baggage disinfected.....	270
Number of crew inspected.....	1, 249
Number of passengers inspected.....	852
Number of rejections—cause of rejection, smallpox, 1; plague suspect 1.....	2

FERRIES.

Number of ferryboats inspected.....	84
Number of crew inspected.....	924
Number of passengers inspected.....	7, 373

VACCINATIONS (BOATS ARRIVING).

Number of vaccinations, passengers..... 206

Respectfully,

J. C. PERRY,

*Passed Assistant Surgeon, U. S. M. H. S.,
Chief Quarantine Officer for the Philippine Islands.*

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

MANILA, P. I., August 23, 1901.

SIR: I have the honor to submit report of quarantine transactions of outgoing boats for the week ended August 17, 1901, as follows:

Number of vessels inspected.....	43
Number of pieces of baggage disinfected	307
Number of crew inspected.....	1,506
Number of passengers inspected.....	914

FERRIES.

Number of ferryboats inspected.....	84
Number of crew inspected.....	882
Number of passengers inspected.....	6,828

VACCINATIONS (BOATS ARRIVING).

Number of vaccinations, crew.....	18
Number of vaccinations, passengers	256

Respectfully,

J. C. PERRY,

*Passed Assistant Surgeon, U. S. M. H. S.,
Chief Quarantine Officer for the Philippine Islands.*

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

Quarantine transactions in the Philippine Islands for the month of July, 1901.

MANILA, P. I., August 17, 1901.

SIR: I have the honor to submit report of quarantine transactions for month of July, 1901, as follows:

PORT OF MANILA.

Bills of health issued—	
To United States ports.....	8
To foreign ports.....	48
To domestic ports.....	226
Total.....	282
Number of vessels inspected—	
From foreign ports.....	56
From domestic ports	201
Total	257
Number of passengers inspected—	
Cabin.....	1,144
Steorage.....	7,772
Total.....	8,916
Number crew inspected.....	9,634
Number vessels in quarantine.....	1
Number vessels disinfected.....	1
Number of pieces of baggage disinfected and so labeled.....	3,471
Number of pieces of baggage inspected and passed and labeled.....	5,187

PORT OF MANILA—Continued.

Number vaccinations—	
Number crew vaccinated	54
Number passengers vaccinated	1,589
Total	1,643

OUTGOING QUARANTINE.

Number of vessels inspected	223
Number of passengers inspected	3,867
Number of crew inspected	5,448
Number of passengers and crew rejected (cause of rejection, fever, 6; plague suspect, 2)	8
Number pieces of baggage disinfected and so labeled	1,575

FERRYBOATS.

Number of ferryboats inspected	338
Number of crew inspected	3,510
Number of passengers inspected	31,625

SUMMARY.

Total number of vessels inspected	480
Total number of passengers inspected	44,408
Total number of crew inspected	18,592
Total number of persons vaccinated	1,643
Total number of pieces of baggage disinfected	5,046
Total number pieces baggage inspected and passed	5,187

PORT OF CEBU.

Number of bills of health issued to foreign ports	3
Number of vessels inspected—	
From foreign ports	4
From domestic ports	78
Total	82
Number of passengers inspected—	
Cabin	179
Steerage	814
Total	993
Number of crew inspected	2,447

PORT OF ILOILO.

Number of bills of health issued to foreign ports	9
Number of vessels inspected—	
From foreign ports	8
From domestic ports	30
Total	38
Number of passengers inspected	284
Number of crew inspected	1,213

Respectfully,

J. C. PERRY,

*Passed Assistant Surgeon, U. S. M. H. S.,
Chief Quarantine Officer for the Philippine Islands.*

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

PORTO RICO.

Reports from Ponce.

PONCE, P. R., September 16, 1901.

SIR: Through the chief quarantine officer for Porto Rico, I have the honor to transmit herewith the quarantine and abstract of bills of health reports for the week ended September 14, 1901. Two vessels were inspected and passed and 2 bills of health were issued during the week. According to the official reports of the board of health, the city and district are free from any quarantinable disease.

Respectfully,

W. W. KING,

Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

PONCE, P. R., September 23, 1901.

SIR: Through the chief quarantine officer for Porto Rico, I have the honor to transmit herewith the quarantine and abstract of bills of health reports for the week ended September 21, 1901; also mortality report of the city for the month of August, 1901.

Five vessels were inspected, 3 were passed and 2 in quarantine. The Spanish steamship *Cataluna*, from Havana, Port Limon, Colou, Sabanilla, Puerto Cabello, and La Guayra was held in quarantine and transacted her business while at this port under guard. No passengers for this port. The French steamship *St. Domingue*, arrived from Port au Prince, Petit Goave, Jeremie, Aux-Cayes, Jacmel, Santo Domingo, and Mayaguez, presented clean bills of health, and after the usual inspection of the passengers and crew the vessel was admitted to free pratique and her passengers permitted to land, disinfecting 17 pieces of baggage and 2 sacks of mail. Twenty-five pieces were inspected and passed. Four bills of health were issued during the week.

The provisional flag steamship *Julia* arrived, disinfected as usual at Santiago. The vessel was held in quarantine to detain nonimmunes from Cuba. Passengers from Santo Domingo were permitted to land after disinfection of baggage. Twenty-eight pieces were disinfected with 1 sack of mail; 117 pieces, chiefly from Cuba, were inspected and passed.

I have noticed 1 case of varicella (?) quarantined in the city. As so many of the physicians here use this term for varioloid, although admitting that the diseases are not identical, one can not help being suspicious of all cases diagnosed so. They serve to keep alive the smallpox infection. The case is "quarantined" by a sign and yellow flag, but no guard. The house is a small shack on a prominent street and in close proximity to the neighboring houses. There is no interference with communication between the infected house and the outside world.

This being the rainy season the streets have been quite well flushed, but the increase of malaria is noticeable on account of the breeding of mosquitoes in the numerous ponds of undrained water.

The death rate for August, 1891, shows a great difference from that of August, 1900. It has now about reached normal.

Respectfully,

W. W. KING,

Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

[Inclosure.]

Number and causes of deaths in Ponce jurisdiction (city, playa, and surrounding country) during the month of August, 1901.

Diseases of—		Wound.....	2
Digestive system.....	57	Asphyxia.....	1
Respiratory system.....	10	Septicæmia.....	2
Circulatory system.....	8	Tetanus, infantile.....	2
Nervous system.....	9	Diabetes Melitus.....	1
Anæmia, malnutrition, inanition.....	11	Senile cachexia.....	2
Malaria.....	9	Dropsy.....	1
Tuberculosis.....	6		
Typhoid fever.....	1	Total.....	123
Teething.....	1		

Number of deaths reported during August, 1901 (a).....	123
Number of deaths reported during August, 1900 (a).....	681
Number of births reported during August, 1901 (a).....	125
Number of births reported during August, 1900 (a).....	107

a These figures are for the city proper, the playa, and surrounding district of Ponce.

TURKEY.

Plague in Smyrna

[Copy of cablegram received over telephone from State Department, September 28, 1901, 11.15 a. m.]

SMYRNA, TURKEY, September 28, 1901.

Secretary of State, Washington.—Plague.—LANE.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

Foreign and insular statistical reports of countries and cities—Yearly and monthly.

BAHAMAS—*Dunmore Town*.—Two weeks ended September 15, 1901. Estimated population, 1,232. One death. No contagious diseases.

Governors Harbor.—Two weeks ended September 15, 1901. Estimated population, 1,375. No deaths and no contagious diseases.

Green Turtle Cay—Abaco.—Two weeks ended September 12, 1901. Estimated population, 3,314. No deaths and no contagious diseases.

Nassau.—Two weeks ended September 17, 1901. Estimated population, 12,535. No deaths and no contagious diseases reported.

BELGIUM—*Ghent*.—Month of August, 1901. Estimated population, 153,740. Total number of deaths, 323, including enteric fever, 5, and 54 from tuberculosis.

CANADA—*Province of Ontario*.—Reports to the provincial board of health, for the month of July, from 706 municipalities, having an aggregate estimated population of 2,032,667, show a total of 1,946 deaths, including diphtheria, 29; enteric fever, 18; measles, 11; scarlet fever, 7; whooping cough, 16, and 182 from phthisis pulmonalis.

FRANCE—*Marseilles*.—Month of July, 1901. Estimated population, 491,161. Total number of deaths, 1,062, including diphtheria, 7;

measles, 17; scarlet fever, 2; smallpox, 3, and 10 from whooping cough.

Month of August, 1901. Total number of deaths, 953, including diphtheria, 9; measles, 26; scarlet fever, 2; whooping cough 5, and 1 from smallpox.

Nice.—Month of August, 1901. Estimated population, 127,027. Total number of deaths, 146, including diphtheria, 2; enteric fever, 1; smallpox, 2, and 28 from tuberculosis.

St. Etienne.—Two weeks ended August 31, 1901. Estimated population, 146,671. Total number of deaths, 129, including diphtheria, 1; enteric fever, 2; scarlet fever, 1; whooping cough, 2, and 14 from tuberculosis.

GERMANY—*Hanover*.—Month of July, 1901. Estimated population, 238,760. Total number of deaths, 348, including 291 from infectious diseases.

Weimar.—Month of August, 1901. Estimated population, 29,633. Total number of deaths, 46. No contagious disease reported.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 33 great towns in England and Wales during the week ended September 7, 1901, correspond to an annual rate of 19.4 per 1,000 of the aggregate population, which is estimated at 11,463,026. The highest rate was recorded in Gateshead, viz, 36.8, and the lowest in Bristol, viz, 9.5.

Bradford.—Two weeks ended September 7, 1901. Estimated population, 279,809. Total number of deaths, 203, including enteric fever, 3; measles, 2; scarlet fever, 1; whooping cough, 7, and 13 from tuberculosis.

London.—One thousand four hundred and seventy-one deaths were registered during the week, including measles, 13; scarlet fever, 14; diphtheria, 20; whooping cough, 37; enteric fever, 17; smallpox, 7, and diarrhea and dysentery, 271. The deaths from all causes correspond to an annual rate of 16.9 per 1,000. In Greater London 2,117 deaths were registered, corresponding to an annual rate of 16.7 per 1,000 of the population. In the "outer ring" the deaths included 12 from diphtheria, 12 from measles, 3 from scarlet fever, 1 from smallpox, and 4 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended September 7, 1901, in the 21 principal town districts of Ireland was 19.5 per 1,000 of the population, which is estimated at 1,079,708. The lowest rate was recorded in Drogheda, viz, 4.1, and the highest in Wexford, viz, 32.7 per 1,000. In Dublin and suburbs 154 deaths were registered, including diphtheria, 1; scarlet fever, 2; typhus, 1, and 2 from whooping cough.

Scotland.—The deaths registered in 8 principal towns during the week ended September 7, 1901, correspond to an annual rate of 17.8 per 1,000 of the population, which is estimated at 1,656,525. The lowest mortality was recorded in Aberdeen, viz, 16.2, and the highest in Leith, viz, 23.4

per 1,000. The aggregate number of deaths registered from all causes was 568, including diphtheria, 2; measles, 8; scarlet fever, 5, and 13 from whooping cough.

JAPAN—Formosa.—Month of May, 1901. Estimated population, 2,797,543. Total number of deaths not reported. One death from diphtheria, 1 from cholera, 1 from typhus fever, and 1,129 deaths from plague reported.

Month of June, 1901. Total number of deaths not reported. Eight deaths from typhus fever and 1,101 from plague reported.

Month of July, 1901. Total number of deaths not reported. One death from smallpox, 10 deaths from typhus, and 334 deaths from plague reported.

Nagasaki.—Ten days ended August 31, 1901. Estimated population, 131,700. Number of deaths not reported. One death from enteric fever reported.

JAVA—Batavia.—Two weeks ended August 17, 1901. Estimated population, 150,000. Total number of deaths not reported. Three deaths from cholera reported.

SPAIN—Malaga.—Month of August, 1901. Estimated population, 133,022. Total number of deaths, 317, including enteric fever, 11, and 5 from smallpox.

Valencia.—Two weeks ended September 10, 1901. Census population, 204,000. Total number of deaths, 186, including enteric fever, 1, and 7 from smallpox.

Cholera, yellow fever, plague, and smallpox, June 28, 1901, to October 4, 1901.

[Reports received by the Surgeon-General United States Marine-Hospital Service from United States consuls through the Department of State and other sources.]

[For reports received from December 28, 1900, to June 28, 1901, see PUBLIC HEALTH REPORTS for June 28, 1901.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay.....	May 22-Aug. 27...		67	
Calcutta.....	May 19-Aug. 24...		425	
Madras.....	May 18-Aug. 23...		284	
Japan:				
Formosa, Tamsui.....	May 1-June 30...	5	1	
Yokohama.....	July 14-Aug. 24...	7	2	
Java:				
Batavia.....	June 2-Aug. 17...	158	102	
Straits Settlements:				
Singapore.....	May 23-Aug. 3...		4	

YELLOW FEVER.

Brazil:				
Pernambuco.....	May 17-Aug. 15...		5	
Rio de Janeiro.....	May 18-Aug. 18...		61	
Colombia:				
Bocas del Toro.....	June 26-Aug. 21...	10	1	
Costa Rica:				
Port Limón.....	July 4-Aug. 10...	10	3	
Cuba:				
Cienfuegos.....	July 15-July 18...	2		
Cumanayagua.....	Aug. 18-Aug. 24...	1		
Havana.....	June 28-July 27...	7		
	July 28-Aug. 10...	6	1	Six from Santiago de las Vegas. 1 from Regla, 1 from San Antonio de los Baños, and 1 from steamship Monterey and 1 from Finca Riquena. Seven cases and 3 deaths resulted from inoculation by the mosquito.
	Aug. 10-Aug. 31...	13	5	
	Sept. 1-Sept. 21...	5	2	
Marianao.....	July 28-Aug. 10...	1	1	
Matanzas.....	July 21-July 27...		1	
	Aug. 25-Aug. 31...	2		
	Sept. 1-Sept. 14...	1	1	
Pinar del Río.....	July 28-Aug. 3...	1		
Regla.....	.....do.....	1	1	
Santiago.....	Sept. 20.....	6	1	On steamship Ethelbryhta.
Trinidad.....	Oct. 1.....	1		
Haiti:				
Port au Prince.....	Aug. 20-Aug. 26...	1	1	
Jamaica:				
Kingston.....	June 15.....		1	
Mexico:				
Merida.....	June 14-July 28...		8	
Progreso.....	July 22-Aug. 31...	4	2	Two cases from steamship Mathilda.
Tampico.....	July 26-Aug. 22...	2	1	From steamship — from Progreso; 1 from steamship Yucatan from Vera Cruz.
Vera Cruz.....	June 23-Sept. 21...	35	19	
Porto Rico:				
San Juan.....	July 16.....	1		On steamship Saint Simon from Cape Port au Prince and Santo Domingo.
Salvador:				
San Salvador.....	June 20.....			Several cases.

PLAGUE.

Africa:			
Cape Town.....	Feb. 16-July 27...	734	355
Maitland.....	June 9-June 15...	2	
Port Elizabeth.....	June 9-July 27...	33	13
Simonstown.....	June 9-June 15...	1	

Cholera, yellow fever, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Australia:				
Brisbane	Mar. 1-June 30...	24	9	
Brazil:				
Rio de Janeiro.....	July 3-Aug. 18.....		11	
China:				
Amoy.....	May 26-Aug. 10....	5,460	700	Estimated.
Canton.....	June 8.....			Prevailing.
Hongkong.....	May 19-Aug. 24....	1,009	980	
Shanghai	June 9.....		1	From steamship Empress of
Sheck Lung	June 8.....			China.
Tung Kun.....	.....do.....			Prevailing.
Egypt:				Do.
Alexandria	Apr. 7-Sept. 4....	26	15	
Manaura.....	.....do.....	1	1	
Minieh.....	.....do.....	5	1	
Mit Gamr.....	.....do.....	9	5	
Port Said.....	.....do.....	21	11	
Zagazig.....	.....do.....	77	32	
France:				
Le Frioul.....	July 7.....	15		From steamship Laos from
Hawaiian Islands:				Port Said.
Honolulu.....	May 31-July 17...	6	6	
India:				
Bombay Presidency and Sind:				
Northern Division—				
Bombay City.....	May 12-Aug. 17...	1,890	1,750	
Surat District.....	.....do.....	999	660	
Thana District.....	.....do.....	644	555	
Central Division—				
Khandesh District.....	.....do.....	9	8	
Poona District.....	.....do.....	34	23	
Poona City.....	.....do.....	10	7	
Satara District.....	.....do.....	992	603	
Sholapur District.....	.....do.....	49	27	
Southern Division—				
Belgaum District.....	.....do.....	5,880	4,339	
Bijapur District.....	.....do.....	4	3	
Dharwar District.....	.....do.....	5,517	3,645	
Hubli Town.....	.....do.....	621	551	
Kanara District.....	.....do.....	43	30	
Kolaba District.....	.....do.....	291	238	
Katnagiri District.....	.....do.....	128	98	
Sindh—				
Hyderabad District.....	.....do.....	6	2	
Karachi District.....	.....do.....	27	24	
Karachi City.....	.....do.....	402	370	
Political Charges—				
Baroda State.....	.....do.....	60	38	
Bhavnagar Town.....	.....do.....	1		
Cutch State.....	.....do.....	403	319	
Janjira State.....	.....do.....	14	12	
Kathiawar State.....	.....do.....	28	22	
Kolhapur and Southern	.....do.....	3,705	2,925	
Mahratta County.				
Outside Bombay Presidency				
and Sind:				
Madras Presidency—				
Salem District.....	.....do.....	120	74	
Bengal:				
Bhagalpur Division.....	.....do.....	25	24	
Burdwan Division.....	.....do.....	8	8	
Calcutta.....	.....do.....	324	314	
Chota Nagpur Division.....	.....do.....	3	1	
Orissa Division.....	.....do.....	0	0	
Patna.....	.....do.....	1,196	922	
Presidency.....	.....do.....	6	5	
Northwest Province and				
Oudh:				
Agra Division.....	.....do.....	3	2	
Allahabad.....	.....do.....	23	23	
Benares.....	.....do.....		242	
Punjab Province:				
Delhi Division.....	.....do.....	202	129	
Jullunder Division.....	.....do.....	900	572	
Lahore Division.....	.....do.....	264	90	
Rawalpindi.....	.....do.....	1,125	650	
Mysore State:				
Bangalore City.....	.....do.....	15	14	
Bangalore Civil and Military	.....do.....	44	33	
Station.				

Cholera, yellow fever, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<i>India—Continued.</i>				
<i>Outside Bombay Presidency and Sind—Continued.</i>				
<i>Mysore State—Continued.</i>				
Bangalore District.....	May 12-Aug. 17...	415	330	
Kadur.....	July 27-Aug. 17...	12	12	
Kolar District.....	May 12-Aug. 17...	68	48	
Mysore City.....	.....do.....	665	460	
Mysore District.....	.....do.....	547	370	
Shimoga.....	.....do.....	87	52	
Rajputana State.....	.....do.....	1	1	
Tumkur District.....	.....do.....	34	19	
Kashmir.....	.....do.....	100	57	
<i>Italy:</i>				
Naples.....	Sept. 7-Sept. 30	15	4	
<i>Japan:</i>				
Formosa.....	Jan. 1-Aug. 6...	4,285	3,404	
Nagasaki.....	Jan. 4-July 18...		2	On steamship Kintuck and on steamship Empress of China.
Yamanashi Ken.....	June 22.....	1	1	
Mauritius.....	June 7-Aug. 8...		7	
<i>Paraguay:</i>				
Asuncion.....	June 23.....	1		
<i>Philippine Islands:</i>				
Cavite.....	May 19-July 6...	4	1	
Cebu.....	July 6.....	2		
Concepcion.....	.....do.....	1		
Manila.....	May 11-Aug. 17...	194	161	
Malolos.....	July 6.....	3		
Malabon.....	.....do.....	6		
Naic.....	.....do.....	3		
Paranaque.....	.....do.....	3		
San Antonio.....	.....do.....	1		
Santa Rosa.....	May 19-July 6...	2		
<i>Straits Settlements:</i>				
Singapore.....	July 14-July 27..		2	
<i>Turkey:</i>				
Constantinople.....	July 2-July 28...	5		
Smyrna.....	Sept. 23.....			Plague reported.

SMALLPOX.

<i>Arabia:</i>				
Aden.....	May 1-May 31...		4	
<i>Argentina:</i>				
Buenos Ayres.....	Apr. 1-June 30...		588	
<i>Austria-Hungary:</i>				
Prague.....	June 2-Aug. 31...	22		
<i>Belgium:</i>				
Antwerp.....	June 2-Sept. 7...	29	12	
Ghent.....	Sept. 7.....		7	
<i>Brazil:</i>				
Ceara.....	June 1-June 30...		1	
Pernambuco.....	May 17-Aug. 15...		196	
Rio.....	May 9-Aug. 18...		362	
<i>British Columbia:</i>				
Victoria.....	June 16-June 30...	2		
<i>Canada:</i>				
<i>Quebec Province:</i>				
Beauce County.....	May 30-June 16...	7		
Beauharnois County.....	May 15-May 22...	8		
Brome County.....	May 15.....	14		
Chateaugay County.....	Apr. 11.....	2		
Compton County.....	July 2-July 6...	1		
Gaspé County.....	June 12.....	26		
Hochelaga County.....	May 24-June 24...	2		
Huntingdon County.....	Apr. 4.....	8		
Iberville County.....	May 14.....	4		
Jac. Cartier County.....	May 18.....	1		
Joliette County.....	June 20-June 23...	1		
La Prairie County.....	Mar. 2-June 10...	133	1	
Matane County.....	Apr. 10.....	17		
Missisquoi County.....	June 10.....	77		
Montreal County.....	Apr. 20.....	5		
Napierville County.....	Feb. 19.....	22	1	
Ottawa County.....	Mar. 8-Apr. 2...	19	1	

Cholera, yellow fever, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<i>Canada—Continued.</i>				
<i>Quebec Province—Continued.</i>				
Pontiac County.....	Feb. 28-May 28...	44	.....
Rimouski County.....	Feb. 12-July 10...	5	1	
St. Hyacinthe.....	May 18.....	1	.....
Shefford County.....	May 20.....	3	.....
Stanstead County.....	June 10-June 25...	2	.....
Temiscouata County.....	June 4-June 17...	1	.....
Terrebonne County.....	Apr. 22-May 9...	91	.....
<i>China:</i>				
Hongkong.....	May 19-June 15...	7	5	
<i>Colombia:</i>				
Cartagena.....	July 1-July 7...	.....	1	
Panama.....	June 18-Sept. 16...	93	2	
<i>Ecuador:</i>				
Guayaquil.....	May 12-Aug. 7...	7	4	
<i>Egypt:</i>				
Cairo.....	June 11-Sept. 2...	.....	6	
<i>England:</i>				
Leeds.....	Aug. 25-Aug. 31...	1	.....
Liverpool.....	June 9-Aug. 24...	8	1	
London.....	July 16-Sept. 18...	211	23	
<i>France:</i>				
Marseilles.....	June 1-Aug. 31...	.....	8	
Nice.....	Aug. 1-Aug. 31...	.....	2	
Paris.....	June 7-Sept. 7...	.....	107	
<i>Germany:</i>				
Berlin.....	June 18-June 29...	3	.....
Gibraltar.....	June 3-July 14...	5	.....
<i>India:</i>				
Bombay.....	May 22-Aug. 27...	.....	45	
Calcutta.....	May 19-Aug. 24...	.....	99	
Karachi.....	May 20-July 21...	24	14	
Madras.....	May 18-Aug. 23...	.....	95	
<i>Italy:</i>				
Milan.....	May 1-May 31...	2	.....
Naples.....	June 10-Sept. 14...	1368	240	
Palermo.....	Aug. 18-Aug. 24...	.....	1	
<i>Japan:</i>				
Formosa, Tamsui.....	July 1-July 31...	1	1	
Nagasaki.....	June 11-June 30...	2	1	
Osaka and Hiogo.....	July 21-July 27...	1	.....
<i>Korea:</i>				
Seoul.....	July 1-July 6...	.....	1	
<i>Manitoba:</i>				
Winnipeg.....	Sept. 15-Sept. 21...	1	.....
<i>Mexico:</i>				
City of Mexico.....	June 17-Sept. 1...	6	2	
Puerto.....	Aug. 11.....	3	.....
Merida.....	July 7-July 13...	.....	4	
<i>Netherlands:</i>				
Rotterdam.....	June 16-Aug. 10...	21	2	
<i>Nova Scotia:</i>				
Halifax.....	Sept. 1-Sept. 27...	16	1	Thirteen from sc. Thalia, 2
<i>Philippine Islands:</i>				
Manila.....	May 12-Aug. 17...	24	.....	from sc. Goodwin, and 1
<i>Russia:</i>				
Moscow.....	May 26-Aug. 31...	84	34	from sc. Essex.
Odesa.....	June 2-Aug. 17...	13	2	
St. Petersburg.....	June 2-Aug. 31...	43	6	
Warsaw.....	May 26-Aug. 24...	.....	34	
<i>Scotland:</i>				
Dundee.....	July 14-Aug. 24...	15	.....
Edinburgh.....	Sept. 1-Sept. 7...	1	.....
Glasgow.....	June 15-Aug. 9...	47	4	
<i>Sicily:</i>				
Messina.....	June 9-Aug. 31...	136	27	
<i>Spain:</i>				
Corunna.....	June 23-July 6...	.....	4	
Madrid.....	May 4-July 24...	.....	17	
Malaga.....	July 1-Aug. 31...	.....	26	
Valencia.....	July 28-Sept. 10...	111	18	
<i>Straits Settlements:</i>				
Singapore.....	July 14-July 20...	.....	1	
<i>Switzerland:</i>				
Geneva.....	June 2-June 29...	5	.....
<i>Uruguay:</i>				
Montevideo.....	May 11-July 25...	172	13	
<i>Wales:</i>				
Cardiff.....	June 9-June 15...	2	.....

Weekly mortality table, foreign and insular cities.

Cities.	Week ended.	Estimated popu- lation.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aix la Chapelle	Sept. 14	137,821	316								2			
Alexandretta	Aug. 31	8,000	6											
Amherstburg	Sept. 21	2,250	1											
Amsterdam	Sept. 14	526,194	139	23						2				1
Antwerp	Sept. 7	299,346	97	12						1		1		
Athens	do.	200,000		9						1		1		
Barmen	do.	142,000	44	5						1				2
Barranquilla	do.	40,000	38	1										
Belize	Sept. 19	9,000	5											
Bergen	Sept. 6	71,000	23	2										
Berlin	Aug. 31	1,888,972	783	76						6	4	6	4	
Birmingham	Sept. 7	823,284	240							2	4	3	7	4
Bombay	Aug. 27	770,843	887	92	203	4		1		1	3		2	1
Breslau	Sept. 7	300,000	232	32										
Bristol	do.	329,086	60	7								1		1
Brussels	do.	582,665	155							2		2		1
Cairo	Aug. 26	570,062	469	26					9	6		7	4	1
Do	Sept. 2	570,062	412	24				1	7			7	6	1
Calcutta	Aug. 24	843,487	371		22	10		2						
Cardiff	Aug. 17	165,308	44									1		
Do	Aug. 24	165,308	47									1	1	
Do	Aug. 31	165,308	48									1	1	
Do	Sept. 7	165,308	43											
Cartagena	Sept. 8	9,000	14											
Catania	Sept. 12	151,180	64	1					2			1		
Christiania	Sept. 7	225,800	79						1			1		
Coburg	do.	21,038	7	3										
Cognac	Aug. 31	19,488	2											
Do	Sept. 7	19,488	6											
Cologne	do.	377,224	164	12						1	4	1	12	2
Colombo	Aug. 17	157,252	91									1		
Colon	Sept. 15	8,000	6											
Copenhagen	Aug. 31	476,876	134	8					3	3		1	7	
Corunna	Sept. 14	40,300	34	6					1				1	1
Crefeld	Sept. 7	106,887	36											
Dublin	do.	375,076	154					1		2	1			2
Dusseldorf	do.	212,334	86					1		1		1	3	2
Edinburgh	do.	317,887	102											
Frankfort-on-the-Main	do.	290,500	68	1								1		5
Funchal	Sept. 8	44,049	13	1					1					
Geneva	Aug. 31	104,044	24											
Ghent	Sept. 7	160,949	81	6				1				1		
Gibraltar	Sept. 8	27,460	9											
Girgenti	Sept. 7	23,069	7											
Glasgow	do.	760,423	251					4		1	1	6	7	
Gothenburg	do.	130,619	32					1						
Halifax	Sept. 21	40,787	11						2					
Hamburg	Sept. 7	708,738	256					1		2	2	2	3	7
Do	do.	708,738	48	11					3					
Havre	do.	130,196	48											
Karachi	Aug. 25	108,808	58		4									
Kingston, Canada	Sept. 20	18,300	7											
Konigsburg	Sept. 7	187,897	77						1					
Leeds	Sept. 14	430,469	154	8					1	2	2	3		4
Leipzig	Sept. 7	461,519	188						2	3	1	1	2	
Leith	do.	77,670	35											
Licata	do.	23,500	9						1					
Liege	Aug. 31	173,289	47										2	
London	do.	6,604,287	2,354						18	15	28	54	20	
Do	Sept. 7	6,604,287	2,117					7	23	17	32	25	31	
Lyons	Aug. 31	453,145	152						3					
Madras	Aug. 16	452,518	794			76		9					3	
Do	Aug. 23	452,518	1,043			125		9						
Madrid	June 24	512,506	290					2	2	4	2	2	27	
Do	July 1	512,506	292							6	1		11	
Do	July 8	512,506	280					3		4	3		17	1
Do	July 15	512,506	307					1		8		1	16	
Magdeburg	Aug. 31	227,944	109	3							1	1		1
Mainz	Sept. 14	84,335	26	4									1	
Manchester	Sept. 12	505,343	240	16						2	2	6	1	
Mannheim	Sept. 7	144,754	46									1	3	
Mazatlan	Aug. 31	20,000	22											
Do	Sept. 7	20,000	17											
Messina	do.	107,000	34	2					4					
Mexico	Sept. 15	368,777	334	20					33	2			1	1
Monrovia	Aug. 17	10,000	0											

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—									
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Moscow.....	Aug. 31	1,000,000	578	6				2		10	5	4	1
Nottingham.....	Sept. 14	239,753	78							6		1	2
Nuremberg.....	Aug. 31	262,600	135	8							1		1
Odessa.....	Sept. 7	442,000	202	13						4	3	2	5
Osaka and Hiogo.....	Aug. 31	245,675	172							1			
Palermo.....	Sept. 7	300,000	124	8						1			
Panama.....	Sept. 16	20,000											
Paris.....	Sept. 7	2,714,068	833					7		4		12	4
Prague.....	do.....	205,855	99	34							2	1	
Puerto Cortez.....	Sept. 19	2,000	0										
Quebec.....	Sept. 14	68,000											
Rio de Janeiro.....	Aug. 11	793,000	382	65			54			5		1	2
Do.....	Aug. 18	793,000	335	48	5		2	60		4		1	1
Rotterdam.....	Sept. 14	337,755	112										
St. John, New Brunswick.....	Sept. 21	40,711	12	2									
St. Petersburg.....	Aug. 31	1,248,643	679							35	16	22	15
St. Stephen, New Brunswick.....	Sept. 21	2,840	0										
Santa Cruz de Teneriffe.....	Aug. 31	33,500	12										
Santander.....	Sept. 7	53,574	26										
Do.....	Sept. 14	53,574	27										
Singapore.....	Aug. 3	97,111	215	34		2							
Do.....	Aug. 10	97,111	221	41									
Do.....	Aug. 17	97,111	197	35									
Solingen.....	Sept. 9	15,142	11										
Southampton.....	Sept. 7	105,481	43										2
Do.....	Sept. 14	105,481	38	3									2
Stettin.....	Sept. 7	210,680	116	11						3			2
Stuttgart.....	Sept. 12	176,318	59									1	1
Sunderland.....	Sept. 7	147,205	69									3	2
Trapani.....	do.....	61,437	16										
Trieste.....	do.....	178,155	74										1
Venice.....	do.....	174,378	62							5			
Vera Cruz.....	Sept. 14	32,000	40	7									
Windsor, Nova Scotia.....	Sept. 21	3,000	1										
Winnipeg.....	Sept. 14	25,642								3			
Yokohama.....	Aug. 24	189,455											
Zurich.....	Sept. 7	161,782	47										

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General U. S. Marine-Hospital Service.